ORDER NO. MD0204078C2

Service Manual

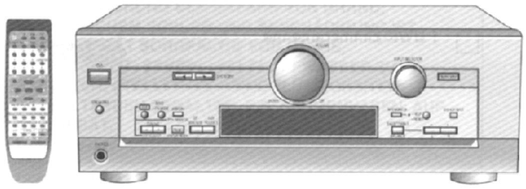
AV Control Receiver

*DOLBY DIGITAL

**DIGITAL dts SURROUND

SA-HE70E / SA-HE70EB / SA-HE70EG

Colour
(K) ... Black Type
(S) ... Silver Type



SPECIFICATIONS

■ **FM Tuner Section**

Frequency range	87.50-108.00 MHz
Sensitivity	
S/N 30 dB	1.5 μV/ 75 Ω
S/N 26 dB	1.3 μV/ 75 Ω
S/N 20 dB	1.2 μV/ 75 Ω
IHF usable sensitivity (IHP’58)	1.5 μV/ 75 Ω
IHF 46 dB stereo quieting sensitivity	22 μV/ 75 Ω
Total harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	60 dB (73 dB, IHF)
STEREO	58 dB, (67 dB, IHF)
Frequency response	20 Hz -15 kHz, +1 dB, -2 dB
Alternate channel selectivity	
±400 kHz	65 dB
Capture ratio	1.5 dB
Image rejection at 98 MHz	40 dB
IF rejection at 98 MHz	70 dB
Spurious response rejection at 98 MHz	70 dB

AM suppression	50 dB
Stereo separation	
1 kHz	40 dB
Carrier leak	
19 kHz	—30 dB (35 dB, IHF)
38 kHz	—50 dB (55 dB, IHF)
Channel balance (250 Hz - 6.3 kHz)	±1.5 dB
Limiting point	1.2 μ V
Bandwidth	
IF amplifier	180 kHz
FM demodulator	1000 kHz
Antenna terminal	75 Ω (unbalanced)

■ AM Tuner Section

Frequency range	
	522-1611 kHz (9 kHz steps)
	530-1620 kHz (10 kHz steps)
Sensitivity	20 μ V, 330 μ V/m
Selectivity (at 999 kHz)	55 dB
IF rejection (at 999 kHz)	50 dB

■ Video Section

Output voltage at 1 V input (unbalanced)	1±0.1 Vp-p
Maximum input voltage	1.5 Vp-p
Input/output impedance	75 Ω (unbalanced)

■ Amplifier Section

Power output	
For E and EG only	230V
For EB only	240V
DIN 1 kHz (T.H.D. 1%)	2 x 80 W (6 Ω)
40 Hz - 20 kHz continuous power output both channels driven	
	2 x 60 W (6 Ω)
Total harmonic distortion	
Rated power at 40 Hz-20 kHz	0.9% (6 Ω)
Half power at 1 kHz	0.07% (6 Ω)
Power output at 1 kHz each channel drive	
DIN 1 kHz (T.H.D. 1%)	
Front	2 x 80 W (6 Ω)
Center	80 W (6 Ω)
Surround	2 x 80 W (6 Ω)
Power bandwidth both driven channels driven, -3 dB	
	10Hz - 40 kHz (6 Ω)
Damping factor	30 (6 Ω)
Load impedance	
Front	6-16 Ω
Center	6-16 Ω
Surround	6-16 Ω
Frequency response	
CD, TAPE/MD, DVD, TV, VCR	10 Hz-40 kHz, ±3 dB
Input sensitivity and impedance	
CD, TAPE/MD, DVD, TV, VCR	200 mV /22 k Ω
S/N at rated power (6 Ω)	
CD, TAPE/MD, DVD, TV, VCR	75dB (IHF, A:85 dB)
Tone controls	
BASS	50 Hz, +10 to -10 dB

TREBLE	**20 kHz, +10 to -10 dB**
Output voltage	
TAPE/MD REC (OUT), VCR OUT	**200 mV**
Channel balance (250 Hz - 6.3 kHz)	**±1 dB**
Channel separation	**55 dB**
Headphones output level and impedance	**430 mV/ 330 Ω**
Subwoofer frequency response (-6 dB)	**7-200 Hz**
■ General	
Power supply	
For E and EG only	**AC 230 V, 50 Hz**
For EB only	**AC 230~240 V, 50 Hz**
Power consumption	**220 W**
Dimensions (W x H x D)	**430 x 158 x 390 mm**
Mass	**9.3 kg**
Power consumption in standby mode :	**2 W**

Notes:

1. **Specifications are subject to change without notice. / Mass and dimensions are approximate.**
2. **Total harmonic distortion is measured by the digital spectrum analyzer.**

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**** Manufactured under license from Digital Theater System. “DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater System.**

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⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public. It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product. Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C703 - C706, C901, C904 and C1702 through a 10 Ω, 5 W resistor to ground. DO NOT SHORT-CIRCUIT DIRECTLY (with a screw driver blade, for instance), as this may destroy solid state devices.
After repairs are completed, restore power gradually using a variac, to avoid over current.
Current consumption at AC 230 V, 50 Hz in NO SIGNAL mode should be 200~600 mA.

2. Protection Circuitry

The protection circuitry may have operated if either of the following conditions are noticed:

- No sound is heard when the power is turned on.

- Stops during a performance.

The function of this circuitry is to prevent circuitry damage if, for example, the positive and

negative speaker connection wires are “shorted”, or if speaker systems with an impedance less than the indicated rated impedance of the amplifier are used.
If this occurs, follow the procedure outlines below:

1. Turn off the power.

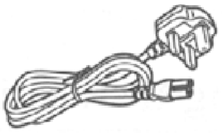
2. Determine the cause of the problem and correct it.

3. Turn on the power once again after one minute.

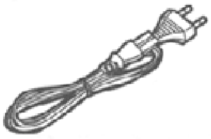
Note:
When the protection circuitry functions, the unit will not operate unless the power is first turned off and then on again.

3. Accessories

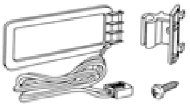
AC Main Lead (For EB only)



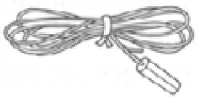
AC Main Lead (For E and EG only)



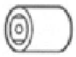
AM Loop Antenna Set



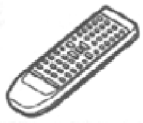
FM Indoor Antenna



Antenna plug adapter (For EB only)



Remote Control



4. Caution for AC Main Lead

(For "EB" area code model only.)

For your safety, please read the following text carefully.

This appliance is supplied with a moulded three pin mains plug for your safety and convenience.
A 5-ampere fuse is fitted in this plug.
Should the fuse need to be replaced please ensure that the replacement fuse has a rating of 5-ampere and that it is approved by ASTA or BSI to BS1362.

Check for the ASTA mark or the BSI mark on the body of the fuse.

If the plug contains a removable fuse cover you must ensure that it is refitted when the fuse is replaced.
If you lose the fuse cover, the plug must not be used until a replacement cover is obtained.
A replacement fuse cover can be purchased from your local dealer.

CAUTION!
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME THEN THE FUSE SHOULD BE REMOVED AND THE PLUG CUT OFF AND DISPOSED OFF SAFELY.
THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13-AMPERE SOCKET.

If a new plug is to be fitted, please observe the wiring code as shown below.
If in any doubt please consult a qualified electrician.

IMPORTANT
The wires in this mains lead are coloured in accordance with the following code:

Blue:	Neutral
Brown:	Live

As these colours may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured Blue must be connected to the terminal which is marked with the letter N or coloured Black or Blue.

The wire which is coloured Brown must be connected to the terminal which is marked with the letter L or coloured Brown or Red.

WARNING: DO NOT CONNECT EITHER WIRE TO THE EARTH TERMINAL WHICH IS MARKED WITH THE LETTER E, BY THE EARTH SYMBOL ⏚ OR COLOURED GREEN OR GREEN/YELLOW.

THIS PLUG IS NOT WATERPROOF—KEEP DRY.

Before use
Remove the connector cover.

How to replace the fuse
The location of the fuse differ according to the type of AC mains plug (figures A and B). Confirm the AC mains plug fitted and follow the instructions below.
Illustrations may differ from actual AC mains plug.

1. Open the fuse cover with a screwdriver.

Figure A

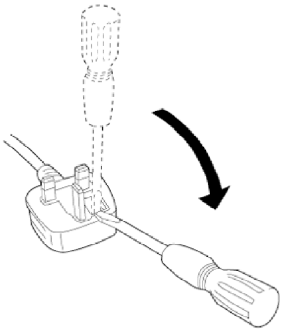
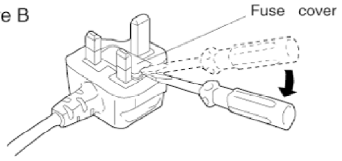


Figure B



2. Replace the fuse and close or attach the fuse cover.

Figure A

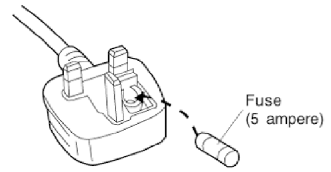
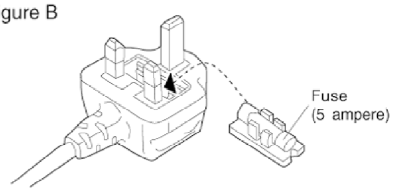


Figure B



5. Front Panel Controls

For Europe

RDS button [RDS]

Press to use the RDS functions.

For areas except Europe

Help/reset button [-HELP, –RESET]

Standby/on switch [⏻/I]

Press to switch the unit from on to standby mode or vice versa.
In standby mode, the unit is still consuming a small amount of power.

SA-HE70

Speakers on/off button [SPEAKERS]

Turning off the speakers automatically engages the STEREO mode (when listening through headphones, for example).

For front speakers with an impedance under 6 Ω

Press and hold SPEAKERS A ○ or B ○ until "LOW IMP" lights up on the display.

Note that when "LOW IMP" is on, SPEAKERS A and B cannot be used at the same time.

For Europe

Tuning/PTY select buttons [TUNING, PTY SELECTOR, ∨, ∧]

For areas except Europe

Tuning buttons [TUNING, ∨, ∧]

TUNING;
For tuning the radio and selecting preset stations.
Press and hold until the frequency starts scrolling to start automatic tuning. Tuning stops when a station is found.

PTY SELECTOR;
For changing the PTY display.

Headphone jack [PHONES]

Plug type: 6.3 mm stereo
Avoid listening for prolonged periods of time to prevent hearing damage.
Turn the speakers off when using the headphones.

For Europe

Preset channel/display button [PRESET, DISPLAY MODE]

Press to allow preset station selection with [TUNING, ∨, ∧] and change the RDS display.

For areas except Europe

Preset channel button [PRESET]

Press to allow preset station selection with [TUNING, ∨, ∧].

DSP sound mode select button [DSP SOUND MODE]

For selecting "STEREO", "SURROUND" or "SFC".

For Europe

Memory/PTY search button [MEMORY, PTY SEARCH]

For presetting radio stations and starting a PTY search.

For areas except Europe

Memory button [MEMORY]

For presetting radio stations.

SFC mode selector

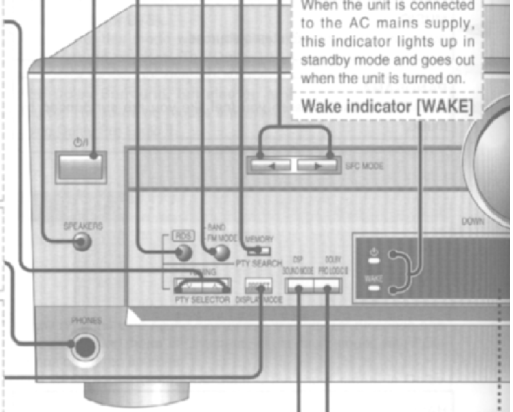
SA-HE70

[SFC MODE, ◄, ►]

Standby indicator [⏻]

When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

Wake indicator [WAKE]


⏻/I
SPEAKERS
RDS
-BAND
FM MODE
MEMORY
PTY SEARCH
TUNING
PTY SELECTOR
PRESET
DISPLAY MODE
DSP
SOUND MODE
DOLBY
PRO LOGIC II
SFC MODE
DOWN
⏻
WAKE
PHONES

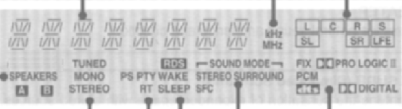
The display

General display

Shows the input mode, radio frequency, and other general information.

Frequency unit indicators [kHz, MHz]

kHz: AM, MHz: FM


kHz
MHz
L
C
R
S
SL
SR
LFE
SPEAKERS
A
B
TUNED
MONO
STEREO
PS
PTY
RT
RDS
WAKE
SLEEP
SOUND MODE
STEREO
SURROUND
SFC
FIX
PRO LOGIC II
PCM
DIGITAL

Speaker indicators

Light when the speakers are on.

SA-HE70

[SPEAKERS]

Radio indicators [TUNED, MONO, STEREO], [M]

TUNED: A station is tuned.
STEREO: A stereo FM broadcast is tuned.
MONO: You have switched to monaural mode with [-BAND, –FM MODE] to improve reception.
M: Flashes during presetting.

For Europe

RDS indicators

[RDS , PS, RT, PTY]

Show the current RDS signal type.

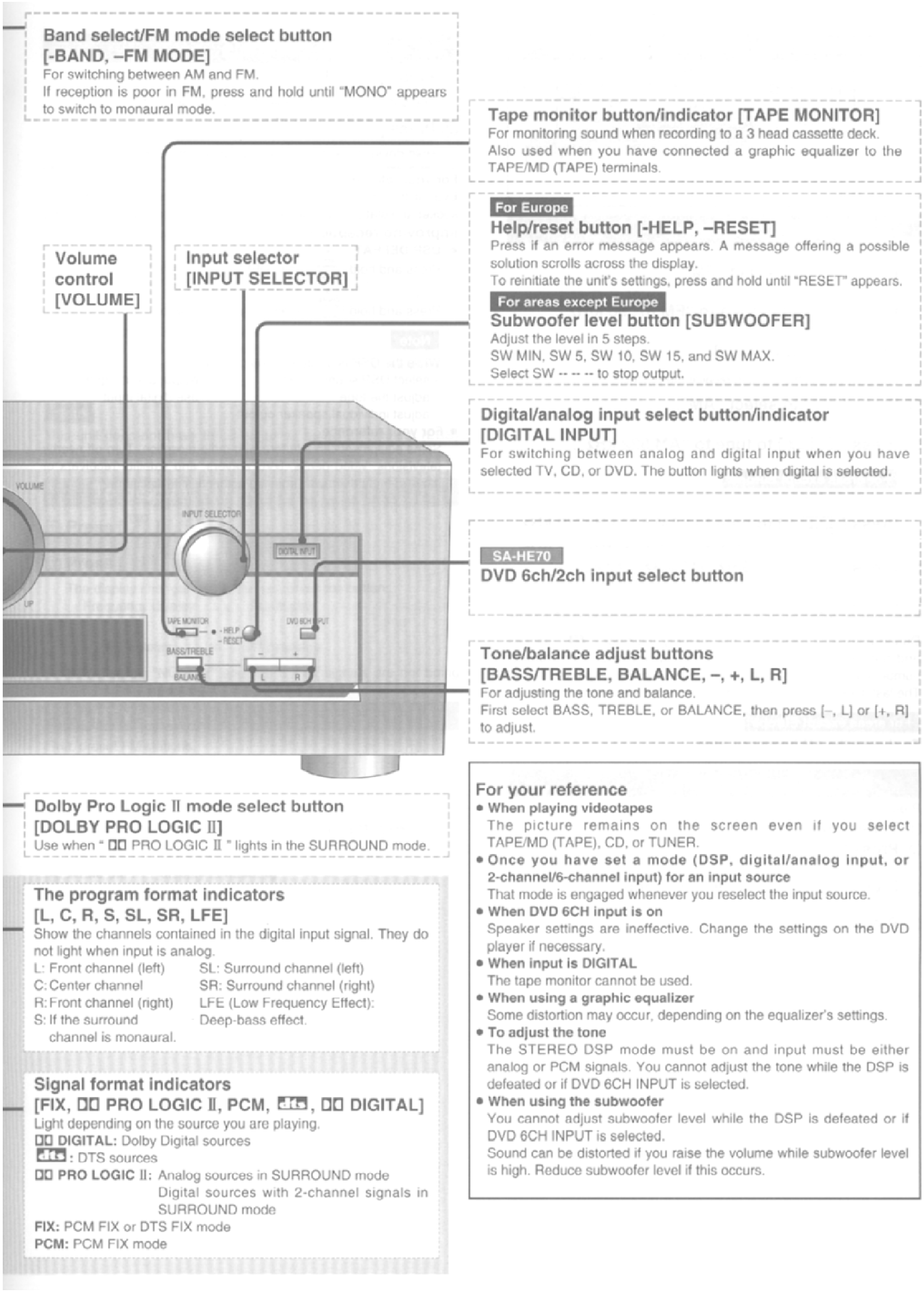
Sleep / Wake indicator

[SLEEP], [WAKE]

DSP sound mode indicators

[STEREO, SURROUND, SFC]

Show the current DSP sound mode.



Band select/FM mode select button
[-BAND, –FM MODE]
For switching between AM and FM.
If reception is poor in FM, press and hold until "MONO" appears to switch to monaural mode.

Tape monitor button/indicator [TAPE MONITOR]
For monitoring sound when recording to a 3 head cassette deck.
Also used when you have connected a graphic equalizer to the TAPE/MD (TAPE) terminals.

Volume control [VOLUME]

Input selector [INPUT SELECTOR]

For Europe

Help/reset button [-HELP, –RESET]
Press if an error message appears. A message offering a possible solution scrolls across the display.
To reinitiate the unit's settings, press and hold until "RESET" appears.

For areas except Europe

Subwoofer level button [SUBWOOFER]
Adjust the level in 5 steps.
SW MIN, SW 5, SW 10, SW 15, and SW MAX.
Select SW -- -- -- to stop output.

Digital/analog input select button/indicator
[DIGITAL INPUT]
For switching between analog and digital input when you have selected TV, CD, or DVD. The button lights when digital is selected.

SA-HE70

DVD 6ch/2ch input select button

Tone/balance adjust buttons
[BASS/TREBLE, BALANCE, –, +, L, R]
For adjusting the tone and balance.
First select BASS, TREBLE, or BALANCE, then press [–, L] or [+, R] to adjust.

Dolby Pro Logic II mode select button
[DOLBY PRO LOGIC II]
Use when " DD PRO LOGIC II " lights in the SURROUND mode.

The program format indicators
[L, C, R, S, SL, SR, LFE]
Show the channels contained in the digital input signal. They do not light when input is analog.

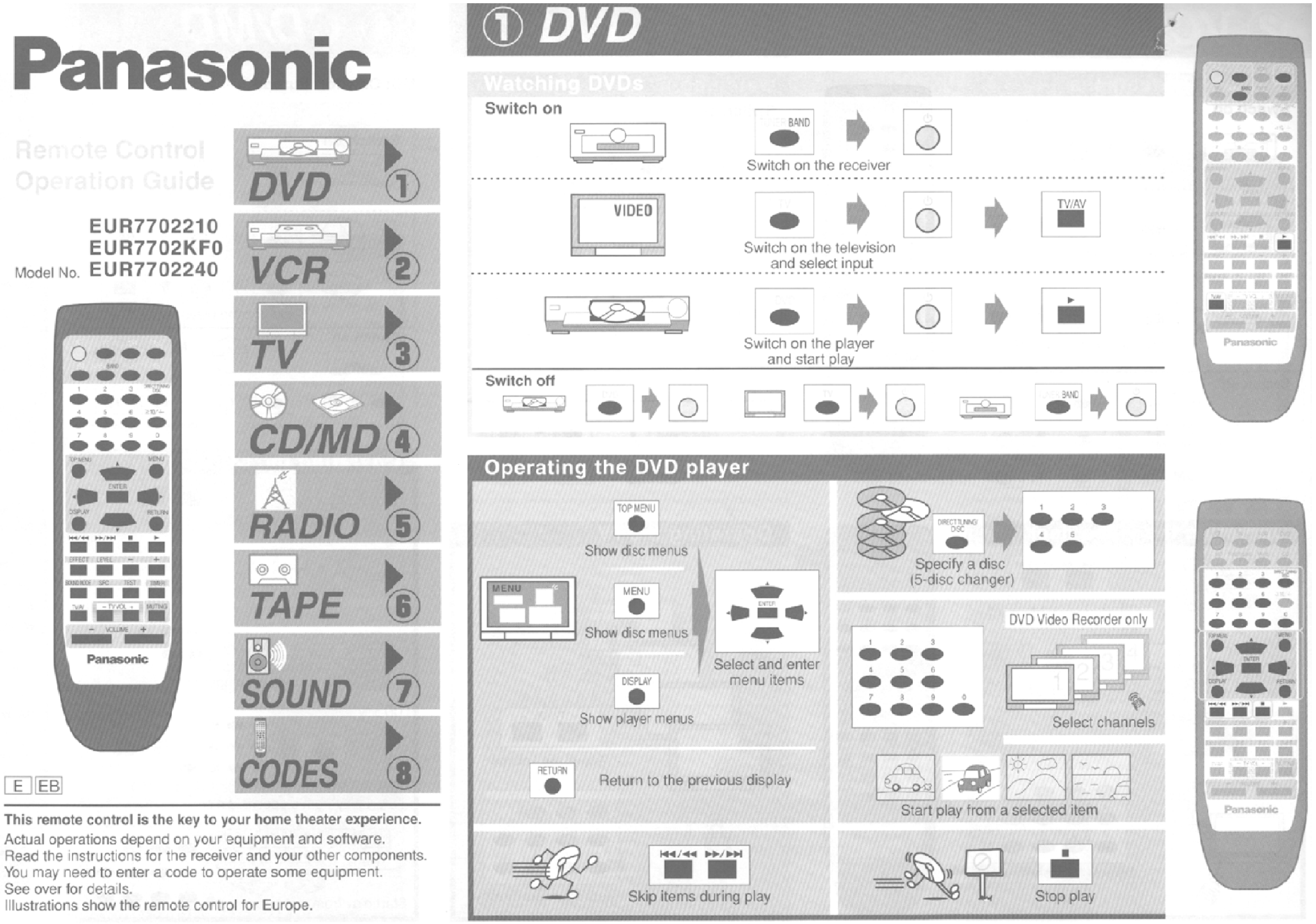
L: Front channel (left)
C: Center channel
R: Front channel (right)
S: If the surround channel is monaural.
SL: Surround channel (left)
SR: Surround channel (right)
LFE (Low Frequency Effect): Deep-bass effect.

Signal format indicators
[FIX, DD PRO LOGIC II, PCM, dts, DD DIGITAL]
Light depending on the source you are playing.
DD DIGITAL: Dolby Digital sources
dts: DTS sources
DD PRO LOGIC II: Analog sources in SURROUND mode
Digital sources with 2-channel signals in SURROUND mode
FIX: PCM FIX or DTS FIX mode
PCM: PCM FIX mode

For your reference

- **When playing videotapes**
  The picture remains on the screen even if you select TAPE/MD (TAPE), CD, or TUNER.
- **Once you have set a mode (DSP, digital/analog input, or 2-channel/6-channel input) for an input source**
  That mode is engaged whenever you reselect the input source.
- **When DVD 6CH input is on**
  Speaker settings are ineffective. Change the settings on the DVD player if necessary.
- **When input is DIGITAL**
  The tape monitor cannot be used.
- **When using a graphic equalizer**
  Some distortion may occur, depending on the equalizer's settings.
- **To adjust the tone**
  The STEREO DSP mode must be on and input must be either analog or PCM signals. You cannot adjust the tone while the DSP is defeated or if DVD 6CH INPUT is selected.
- **When using the subwoofer**
  You cannot adjust subwoofer level while the DSP is defeated or if DVD 6CH INPUT is selected.
  Sound can be distorted if you raise the volume while subwoofer level is high. Reduce subwoofer level if this occurs.

6. Remote Control



Panasonic

Remote Control
Operation Guide

Model No. EUR7702210
EUR7702KF0
EUR7702240

DVD ①
VCR ②
TV ③
CD/MD ④
RADIO ⑤
TAPE ⑥
SOUND ⑦
CODES ⑧

E EB

This remote control is the key to your home theater experience.
Actual operations depend on your equipment and software.
Read the instructions for the receiver and your other components.
You may need to enter a code to operate some equipment.
See over for details.
Illustrations show the remote control for Europe.

① DVD

Watching DVDs

Switch on

Switch on the receiver

Switch on the television and select input

Switch on the player and start play

Switch off

Operating the DVD player

Show disc menus

Show disc menus

Show player menus

Select and enter menu items

Return to the previous display

Skip items during play

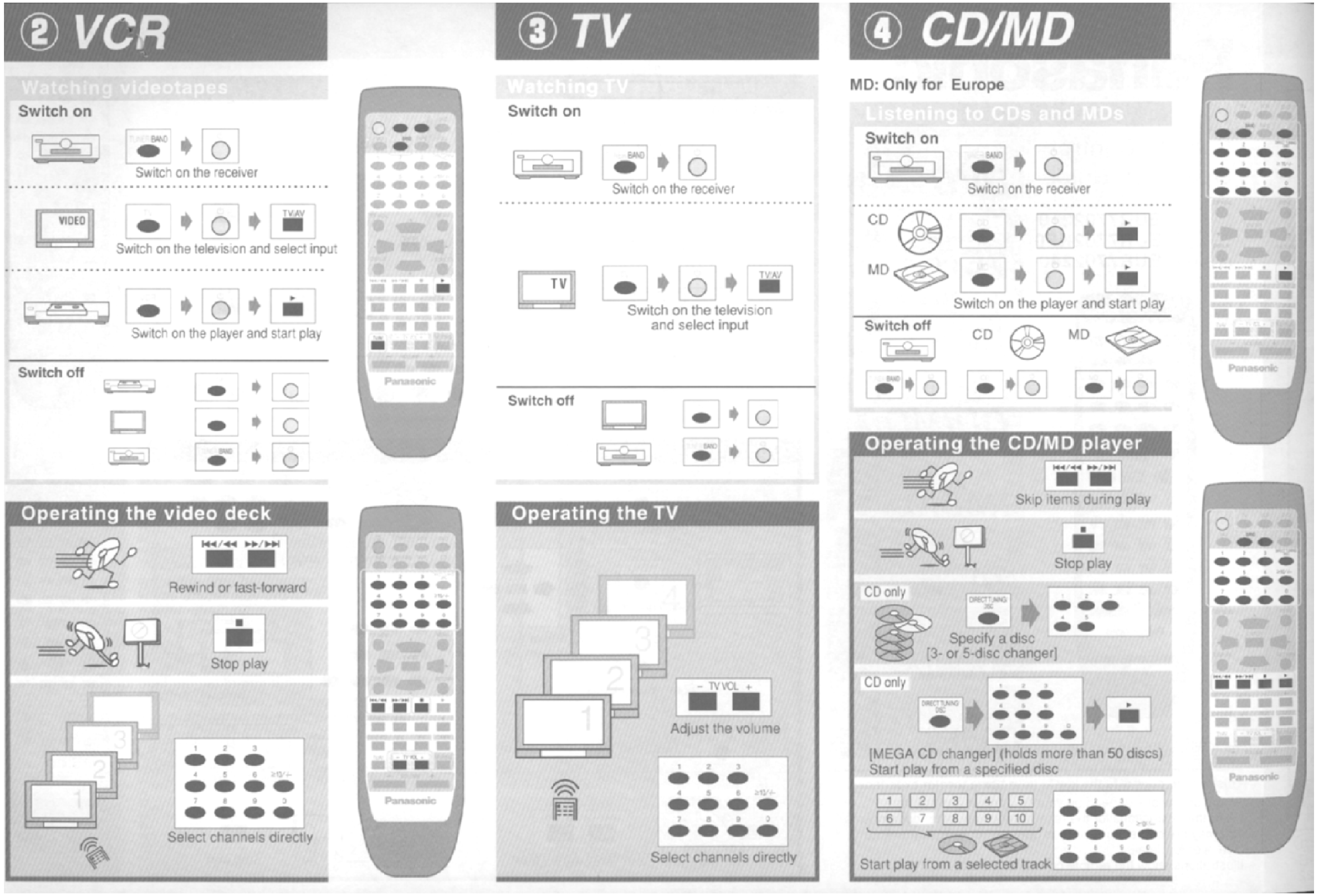
Specify a disc (5-disc changer)

DVD Video Recorder only

Select channels

Start play from a selected item

Stop play



② VCR

Watching videotapes

Switch on

Switch on the receiver

Switch on the television and select input

Switch on the player and start play

Switch off

Operating the video deck

Rewind or fast-forward

Stop play

Select channels directly

③ TV

Watching TV

Switch on

Switch on the receiver

Switch on the television and select input

Switch off

Operating the TV

Adjust the volume

Select channels directly

④ CD/MD

MD: Only for Europe

Listening to CDs and MDs

Switch on

Switch on the receiver

CD

MD

Switch on the player and start play

Switch off

CD

MD

Operating the CD/MD player

Skip items during play

Stop play

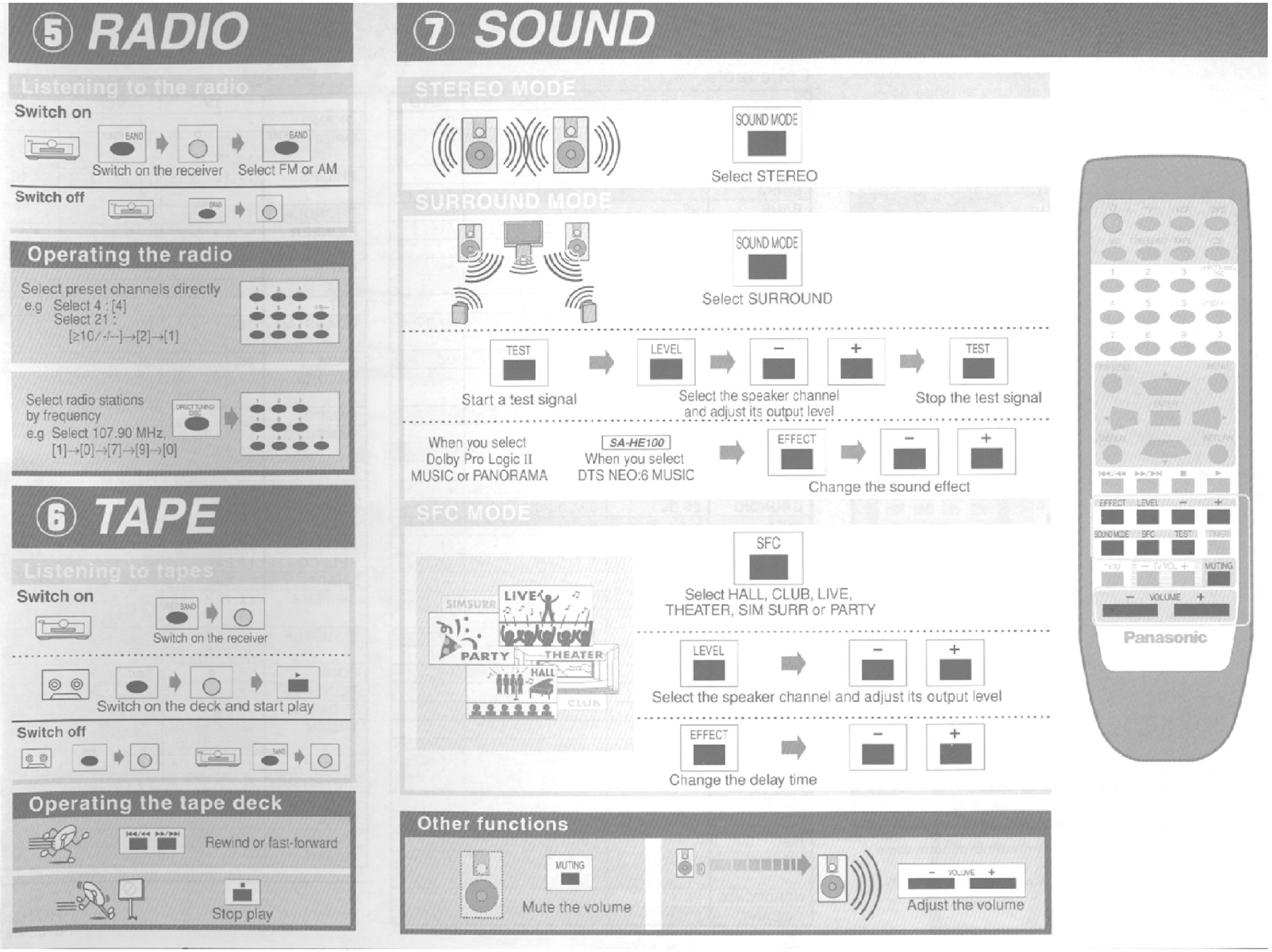
CD only

Specify a disc
[3- or 5-disc changer]

CD only

[MEGA CD changer] (holds more than 50 discs)
Start play from a specified disc

Start play from a selected track



⑤ RADIO

Listening to the radio

Switch on

BAND → Switch on the receiver → BAND Select FM or AM

Switch off

Operating the radio

Select preset channels directly
e.g Select 4 : [4]
Select 21 :
[≥10/-/--]→[2]→[1]

Select radio stations by frequency
e.g Select 107.90 MHz,
[1]→[0]→[7]→[9]→[0]

DIRECT TUNING/DISC

⑥ TAPE

Listening to tapes

Switch on

BAND Switch on the receiver

Switch on the deck and start play

Switch off

Operating the tape deck

Rewind or fast-forward

Stop play

⑦ SOUND

STEREO MODE

SOUND MODE
Select STEREO

SURROUND MODE

SOUND MODE
Select SURROUND

TEST
Start a test signal

LEVEL → − +
Select the speaker channel and adjust its output level

TEST
Stop the test signal

When you select Dolby Pro Logic II MUSIC or PANORAMA

SA-HE100
When you select DTS NEO:6 MUSIC

EFFECT → − +
Change the sound effect

SFC MODE

SFC
Select HALL, CLUB, LIVE, THEATER, SIM SURR or PARTY

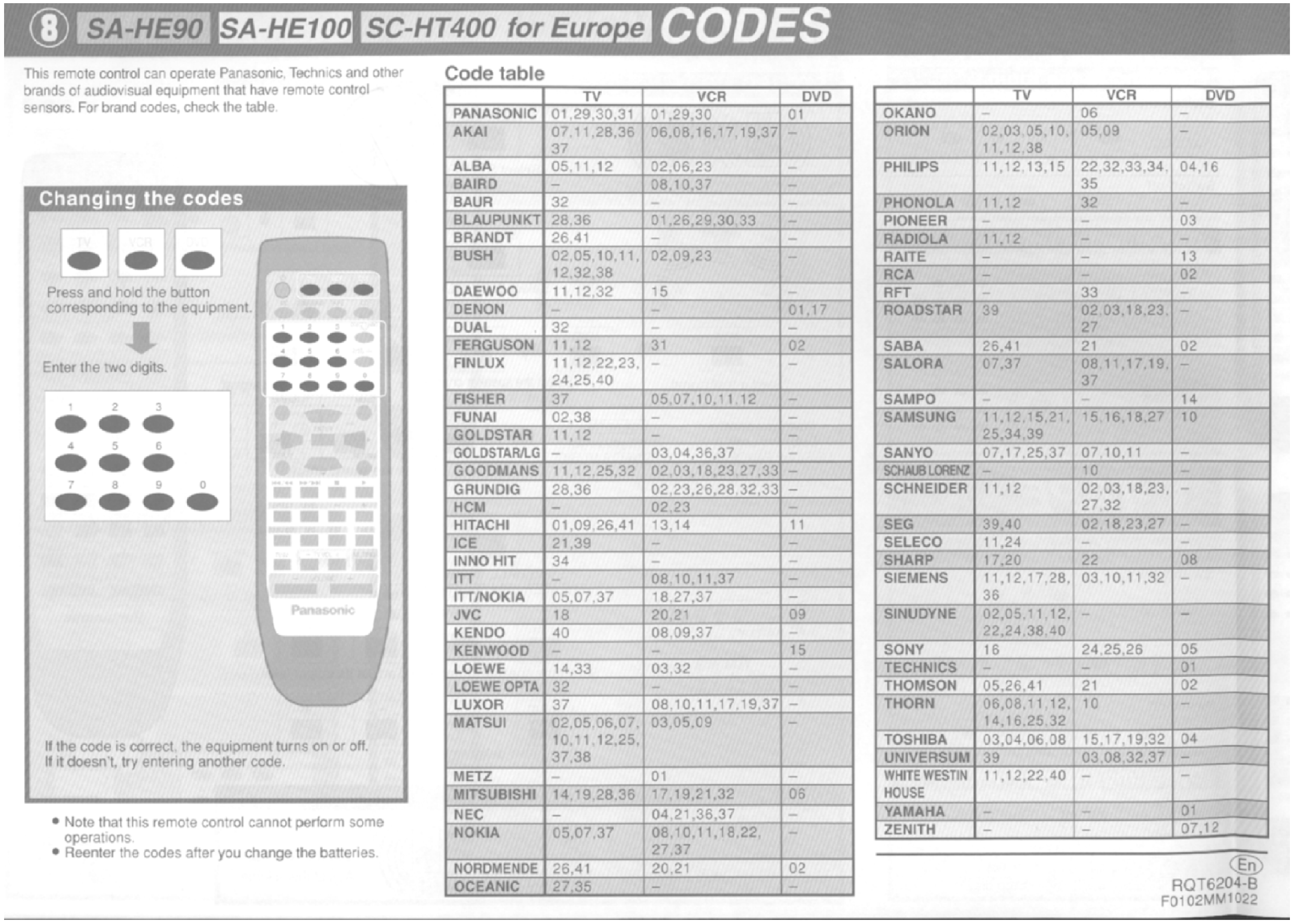
LEVEL → − +
Select the speaker channel and adjust its output level

EFFECT → − +
Change the delay time

Other functions

MUTING
Mute the volume

− VOLUME +
Adjust the volume



⑧ SA-HE90 SA-HE100 SC-HT400 for Europe CODES

This remote control can operate Panasonic, Technics and other brands of audiovisual equipment that have remote control sensors. For brand codes, check the table.

Changing the codes

Press and hold the button corresponding to the equipment.

Enter the two digits.

TV
VCR
DVD
1
2
3
4
5
6
7
8
9
0
Panasonic

If the code is correct, the equipment turns on or off.
If it doesn't, try entering another code.

- Note that this remote control cannot perform some operations.
- Reenter the codes after you change the batteries.

Code table

	TV	VCR	DVD
PANASONIC	01,29,30,31	01,29,30	01
AKAI	07,11,28,36 37	06,08,16,17,19,37	–
ALBA	05,11,12	02,06,23	–
BAIRD	–	08,10,37	–
BAUR	32	–	–
BLAUPUNKT	28,36	01,26,29,30,33	–
BRANDT	26,41	–	–
BUSH	02,05,10,11, 12,32,38	02,09,23	–
DAEWOO	11,12,32	15	–
DENON	–	–	01,17
DUAL	32	–	–
FERGUSON	11,12	31	02
FINLUX	11,12,22,23, 24,25,40	–	–
FISHER	37	05,07,10,11,12	–
FUNAI	02,38	–	–
GOLDSTAR	11,12	–	–
GOLDSTAR/LG	–	03,04,36,37	–
GOODMANS	11,12,25,32	02,03,18,23,27,33	–
GRUNDIG	28,36	02,23,26,28,32,33	–
HCM	–	02,23	–
HITACHI	01,09,26,41	13,14	11
ICE	21,39	–	–
INNO HIT	34	–	–
ITT	–	08,10,11,37	–
ITT/NOKIA	05,07,37	18,27,37	–
JVC	18	20,21	09
KENDO	40	08,09,37	–
KENWOOD	–	–	15
LOEWE	14,33	03,32	–
LOEWE OPTA	32	–	–
LUXOR	37	08,10,11,17,19,37	–
MATSUI	02,05,06,07, 10,11,12,25, 37,38	03,05,09	–
METZ	–	01	–
MITSUBISHI	14,19,28,36	17,19,21,32	06
NEC	–	04,21,36,37	–
NOKIA	05,07,37	08,10,11,18,22, 27,37	–
NORDMENDE	26,41	20,21	02
OCEANIC	27,35	–	–

	TV	VCR	DVD
OKANO	–	06	–
ORION	02,03,05,10, 11,12,38	05,09	–
PHILIPS	11,12,13,15	22,32,33,34, 35	04,16
PHONOLA	11,12	32	–
PIONEER	–	–	03
RADIOLA	11,12	–	–
RAITE	–	–	13
RCA	–	–	02
RFT	–	33	–
ROADSTAR	39	02,03,18,23, 27	–
SABA	26,41	21	02
SALORA	07,37	08,11,17,19, 37	–
SAMPO	–	–	14
SAMSUNG	11,12,15,21, 25,34,39	15,16,18,27	10
SANYO	07,17,25,37	07,10,11	–
SCHAUB LORENZ	–	10	–
SCHNEIDER	11,12	02,03,18,23, 27,32	–
SEG	39,40	02,18,23,27	–
SELECO	11,24	–	–
SHARP	17,20	22	08
SIEMENS	11,12,17,28, 36	03,10,11,32	–
SINUDYNE	02,05,11,12, 22,24,38,40	–	–
SONY	16	24,25,26	05
TECHNICS	–	–	01
THOMSON	05,26,41	21	02
THORN	06,08,11,12, 14,16,25,32	10	–
TOSHIBA	03,04,06,08	15,17,19,32	04
UNIVERSUM	39	03,08,32,37	–
WHITE WESTIN HOUSE	11,12,22,40	–	–
YAMAHA	–	–	01
ZENITH	–	–	07,12

(En)
RQT6204-B
F0102MM1022

7. Disassembly and Main Component Replacement Procedures

“ATTENTION SERVICER”

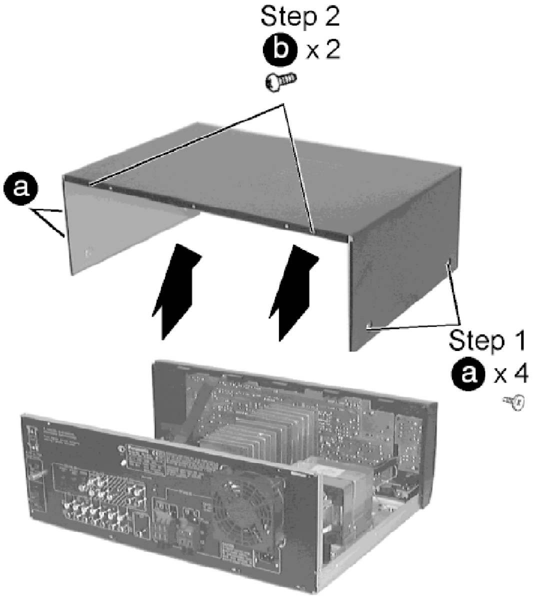
Some chassis components maybe have sharp edges. Be careful when diassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures. / Special reassembly procedures are described only when required.**
3. **Select items from the following index when checks or replacement are required.**

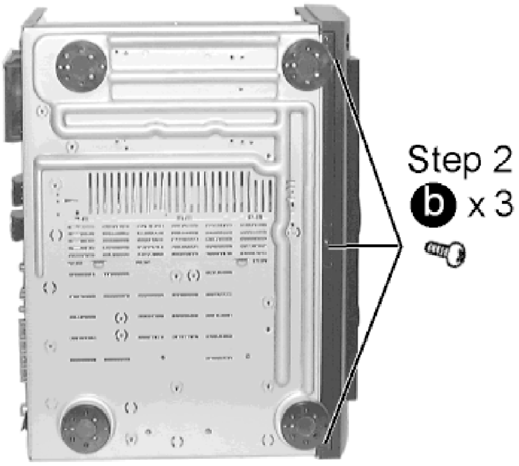
Content

- Disassembly Procedure for each major P.C.B. .... P.g. 10
- Main Component Replacement Procedures
1. Replacement of the Power IC and Regulator Transistor.. P.g. 12
2. Installation of the bottom cover after replacement... .... P.g. 14

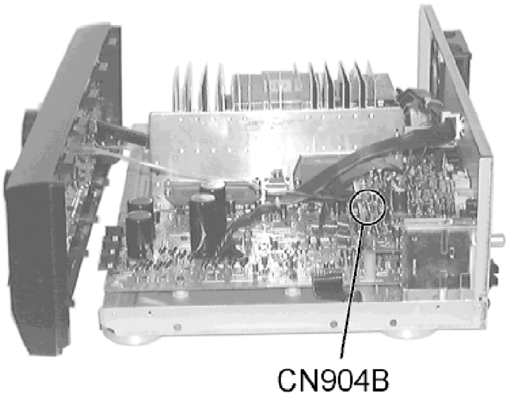
7.1. Disassembly Procedure for each major P.C.B.



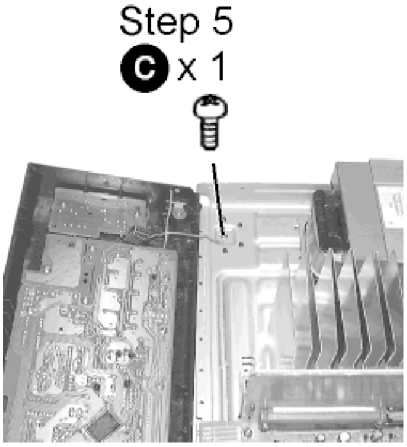
Step 1 & 2 Unscrew and remove top cabinet as shown.



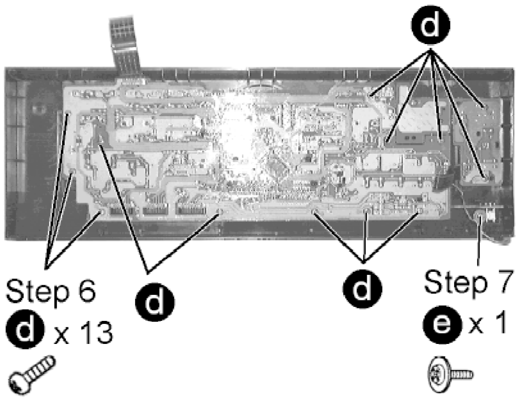
Step 3 Remove all the screws.



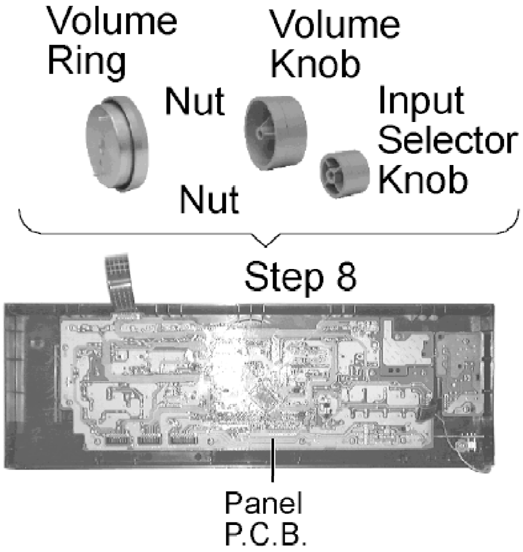
Step 4 Release the connector CN904B.



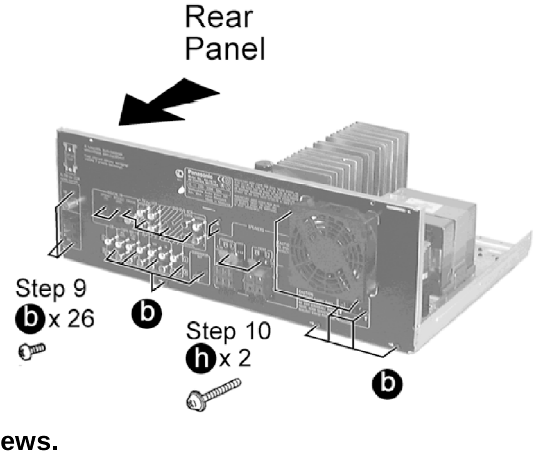
Step 5 Remove the screw.


d
Step 6
d x 13
d
d
Step 7
e x 1

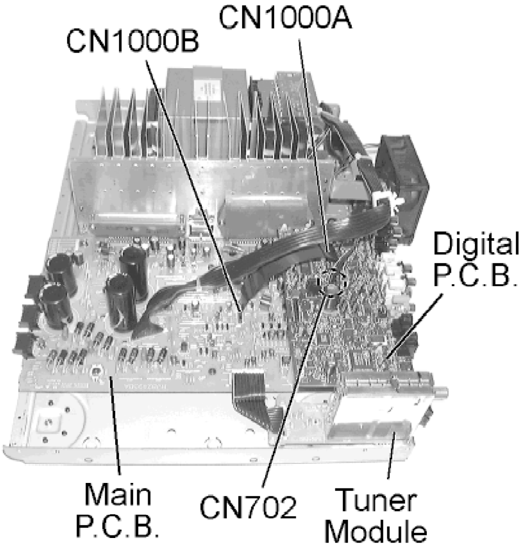
Step 6 & 7 Remove all the screws.


Volume Ring
Nut
Volume Knob
Input Selector Knob
Nut
Step 8
Panel P.C.B.

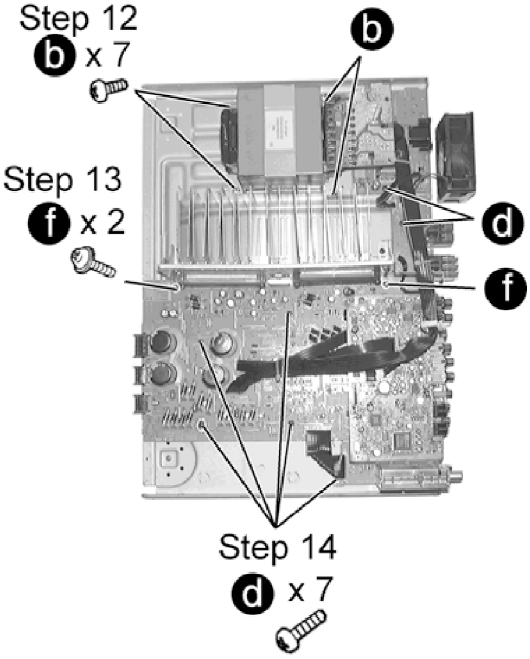
Step 8 Remove the Selector knob and Volume knob, Unscrew the nut and remove the Volume ring.


Rear Panel
Step 9
b x 26
b
Step 10
h x 2
b

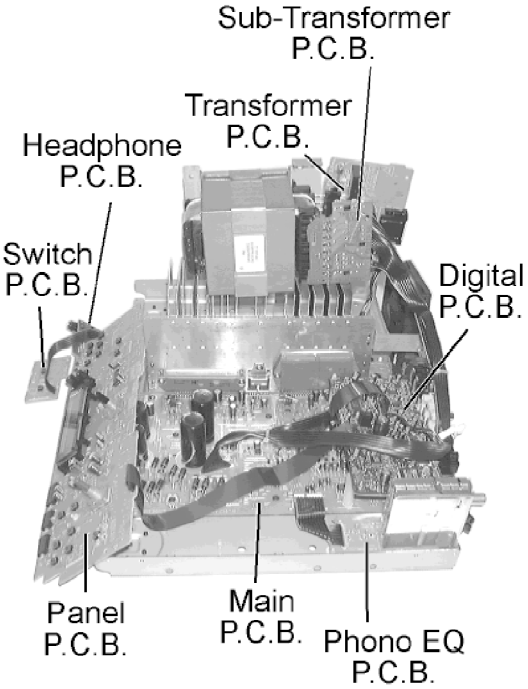
Step 9 Remove all the screws.


CN1000B
CN1000A
Digital P.C.B.
Main P.C.B.
CN702
Tuner Module

Step 10 Release the connectors CN702 and CN1000A. Pull up the Digital P.C.B. as shown.


Step 12
b x 7
b
Step 13
f x 2
d
f
Step 14
d x 7

Step 11, 12 & 13 Remove all the screws.

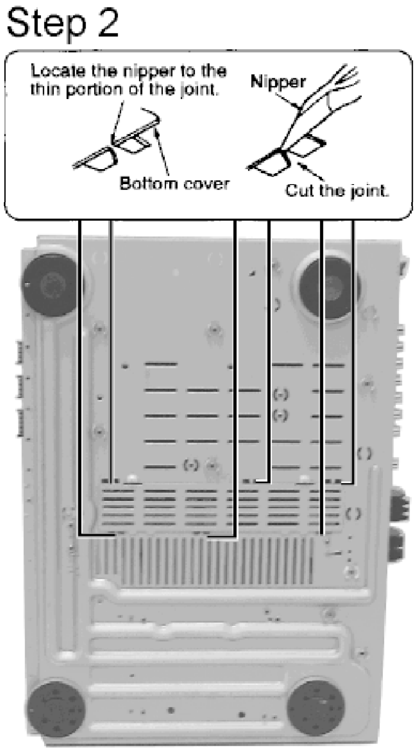

Sub-Transformer P.C.B.
Transformer P.C.B.
Headphone P.C.B.
Switch P.C.B.
Digital P.C.B.
Panel P.C.B.
Main P.C.B.
Phono EQ P.C.B.

Reconnect all wires and connectors to test all P.C.B..

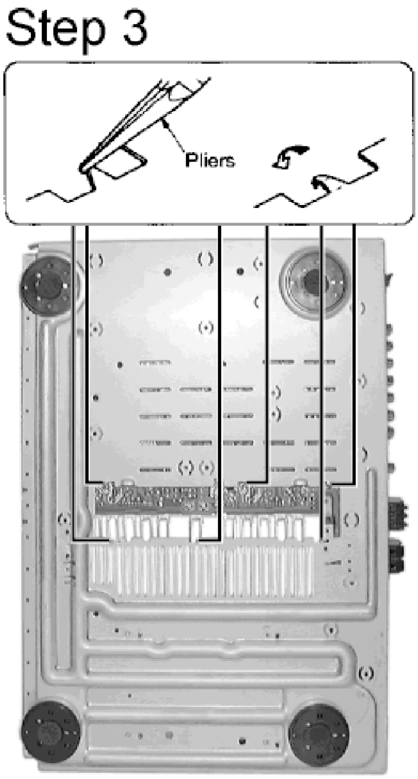
7.2. Main Component Replacement Procedures

7.2.1. Replacement of the Power IC and Regulator Transistor

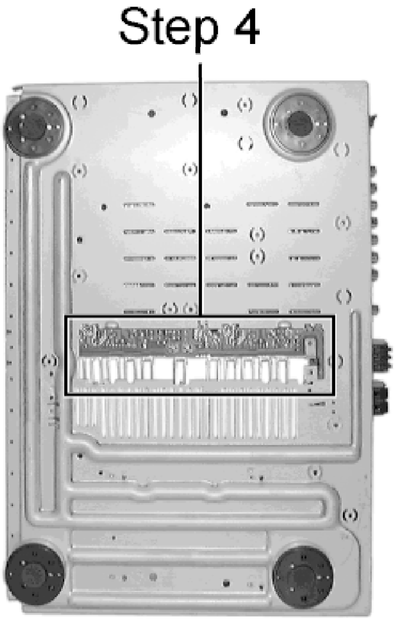
Step 1 Remove the top cabinet.


Step 2
Locate the nipper to the thin portion of the joint.
Nipper
Bottom cover
Cut the joint.

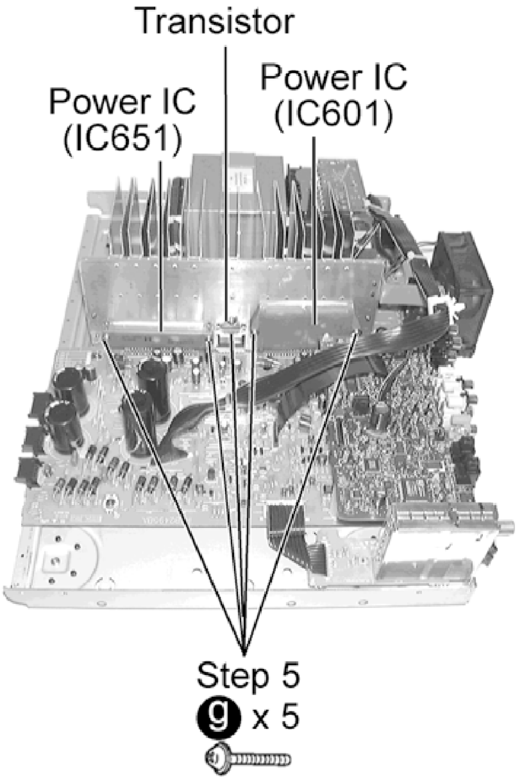
Step 2 Cut the joints as shown below. (6 joints)


Step 3
Pliers

Step 3 Fold the joints. (6 joints)

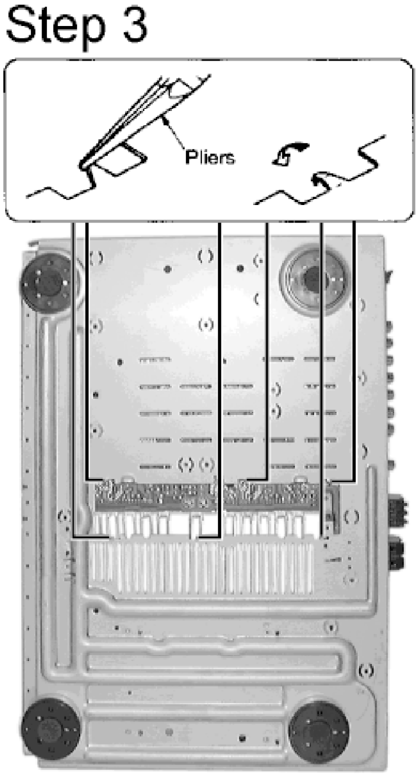


Step 4 Desolder the terminals of Power IC and Regulator Transistor.


Transistor
Power IC
(IC651)
Power IC
(IC601)
Step 5
9 x 5

Step 5 Remove all the screws.

7.2.2. Installation of the bottom cover after replacement


Step 3
Pliers

Step 1 Upset the bottom cover.

Step 2 Align the ribs of bottom cover into the bugs.
Step 3 Prepare the screws to fix the bottom cover.

8. Self-Diagnostic Function

8.1. Self-Diagnostic Function and Service Mode

8.1.1. Display Content

Item	Abnormal Status	Error Display
Low Frequency	Abnormal power amp output	F61
	Abnormal communication between peripheral LST and Micro Computer	F70
Power Supply Display	Abnormal Stabilized power supply	F76

9. Type Illustrations of ICs, Transistors & Diodes

10. Terminal Functions of ICs

- IC901 (C2BBGF000346) MICRO COMPUTER

Pin No.	Mark	I/O	Function
1~2	KEY1~KEY2	I	Key Input 1~2
3	RDS_CLK	-	RDS Data IC CLOCK
4	RDS_DO	-	RDS Data IC - DATA OUT
5	RDS_DI	-	RDS Data IC - DATA IN
6	RDS_CE	-	Control of RDS IC(Not used, open)
7	THERM/ OVLD1	I	Thermal/Over load input 1
8	THERM/ OVLD2	I	Thermal/Over load input 2
9	SD	I	SD signal detect input
10	IF_DATA	I	IF DATA input
11	TNR_CE	O	Tuner control (CE) chip enable signal
12	SFC_ENCD_1	I	SFC mode encoder input 1
13	SFC_ENCD_2	I	SFC mode encoder input 2
14	TC9482_CLK	O	Volume control - CLK
15	TC9482_DT	O	Volume control - DT
16	TC9482_ST	O	Volume control - ST
17	CNVSS	-	-
18	RESET	-	Reset detect terminal
19	DSP_PASS / DSP_OFF	O	DSP signal selector

20	MOS_FET_LED	O	MOS FET LED
21	VSS	I	Ground
22	XIN	I	Crystal oscillator terminal (4 MHz)
23	XOUT	O	Crystal oscillator terminal (4 MHz)
24	VCC	I	Power supply terminal
25	VOL_ENCD_1	O	Volume encoder input 1
26	VOL_ENCD_2	O	Volume encoder input 2
27	CS4226_CDOUT	I	CS4226 serial data input
28	CS4226_CS	I	CS4226 chip selector
29	CS4226_OVLERR	I	CS4226 overload error input
30	CS4226_INTREQ	I	CS49326 input request
31	REMOTE	I	Remote control terminal
32	HOLD	I	Blackout detection terminal
33	FRONT_VCR2	I	Encoder of surround mode selector input1
34	SEL_ENCD_1	I	Selector encoder for input 1
35	SEL_ENCD_2	I	Selector encoder for input 2
36	TAPE_LED	O	Tape Selector LED
37	VCR_LED	O	VCR Selector LED
38	TV_LED	O	TV Selector LED
39	DVD_LED	O	DVD Selector LED
40	CD_LED	O	CD Selector LED
41	TU_LED	O	TUNER Selector LED
42	PHONO_LED	O	PHONO Selector LED
43	DIGITAL_LED	O	DIGITAL INPUT LED
44	DVD_6CH_LED	O	DVD 6CH LED
45	LIMITTER	O	Power limitter control output
46	TC916x_STB	O	Selector/Tuner (CK) clock signal
47	TC916x_TNR_CLK	O	Selector/Tuner/DVD 6CH SW-CK
48	TC916x_TNR_DT	O	Selector/Tuner/DVD 6CH SW-DT
49	S/C_SP	O	Surround/Center speaker control output
50	SP_B	O	Speaker B control output
51	SP_A	O	Speaker A control output
52	RELAY	O	Relay control output

53	AF_MUTE	O	Muting control output
54	SUBW_MUTE	O	Subwoofer muting
55	WAKE_LED	-	Wake up timer LED (Not used, open)
56	VCR_MUTE	O	VCR RECORD MUTE
57~59	NOT USED	-	NOT USED
60~78	SEG19~ SEG1	O	FL segment signal output
79~88	DEG1~ DEG10	O	FL digit signal output
89	VEE	-	Power supply for FL driver
90	CS49326_ SCDOUT	O	CS49326 serial data power output
91	CS49326_CDIN	I	CS49326 serial data power input
92	CS49326_CCLK	I	CS49326 serial clock
93	CS49326_CS	I	CS49326 chip selector
94	CS4226_RESET	I	CS4226 reset
95	CS49326_ RESET	I	CS49326 reset
96	INIT_IN	I	Diode input intial settings
97	AVSS	-	Ground
98	VREF	-	Reference voltage
99	VIDEO_B	O	Video selector control output B
100	VIDEO_A	O	Video selector control output A

11. Block Diagram

12. Schematic Diagram

(All schematic diagrams may be modified at any time with the development of new technology.)
Notes:

S950	**Power Switch**
S952	**Speaker Switch**
S953	**SFC Mode Swtich**
S954	**Timer Swtich**
S955	**Memory Switch**
S956	**FM Mode Switch**
S957	**Band Switch**
S958	**Preset Switch**
S959	**Tuning Up Switch**
S960	**Tuning Down Switch**
S962	**Reset Help Switch**
S964	**Sound Mode Switch**
S965	**Digital Switch**
S966	**DVD 6CH Switch**
S967	**+/Right Switch**
S968	**-/Left Switch**
S969	**Tone/Balance Switch**
S970	**Tape Monitor Switch**
S971	**Sub. Woofer Level Switch**
VR901	**Vr Rotary Encoder**
VR902	**Vr Volume Encoder**

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

< > ...FM

- Importance safety notice:

Components identifed by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution!

IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.

- **Ground the soldering iron.**
- **Do not touch the pins of IC, LSI or VLSI with fingers directly.**

13. Printed Circuit Board

14. Wiring Connection Diagram

15. Parts Location and Replacement Parts List

Notes:

- **Important safety notice:**
  Components identified by ⚠ mark have special characteristics important for safety.
  Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used.
  When replacing any of these components, be sure to use only manufacturers's specified parts shown in the parts list.
- **The parenthesized indications in the Remarks column specify the areas or color. (Refer to the cover page for area or color.)**
  Parts without these indications can be used for all areas.
- **Warning: This product uses a laser diode. Refer to caution statements on “Precaution of Laser Diode”.**
  ACHTUNG:
- **Die Lasereinheit nicht zerlegen.**
- **Die Lasereinheit darf nur gegen eine vom Hertsteller spezifizierte Einheit ausgetauscht werden.**
- **Capacitor values are in microfarad (µ F) unless specified otherwise, P=Pico-farads(pF); Farads.**
- **Resistance values are in ohms, unless specified otherwise, 1K= 1,000(ohms).**
- **The marking (RTL) indicates that the Retention Time is limited for this item. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of availability is dependant on the type of assembly, and in accordance with the laws govening part and product retention. After the end of this period, the assembly will**

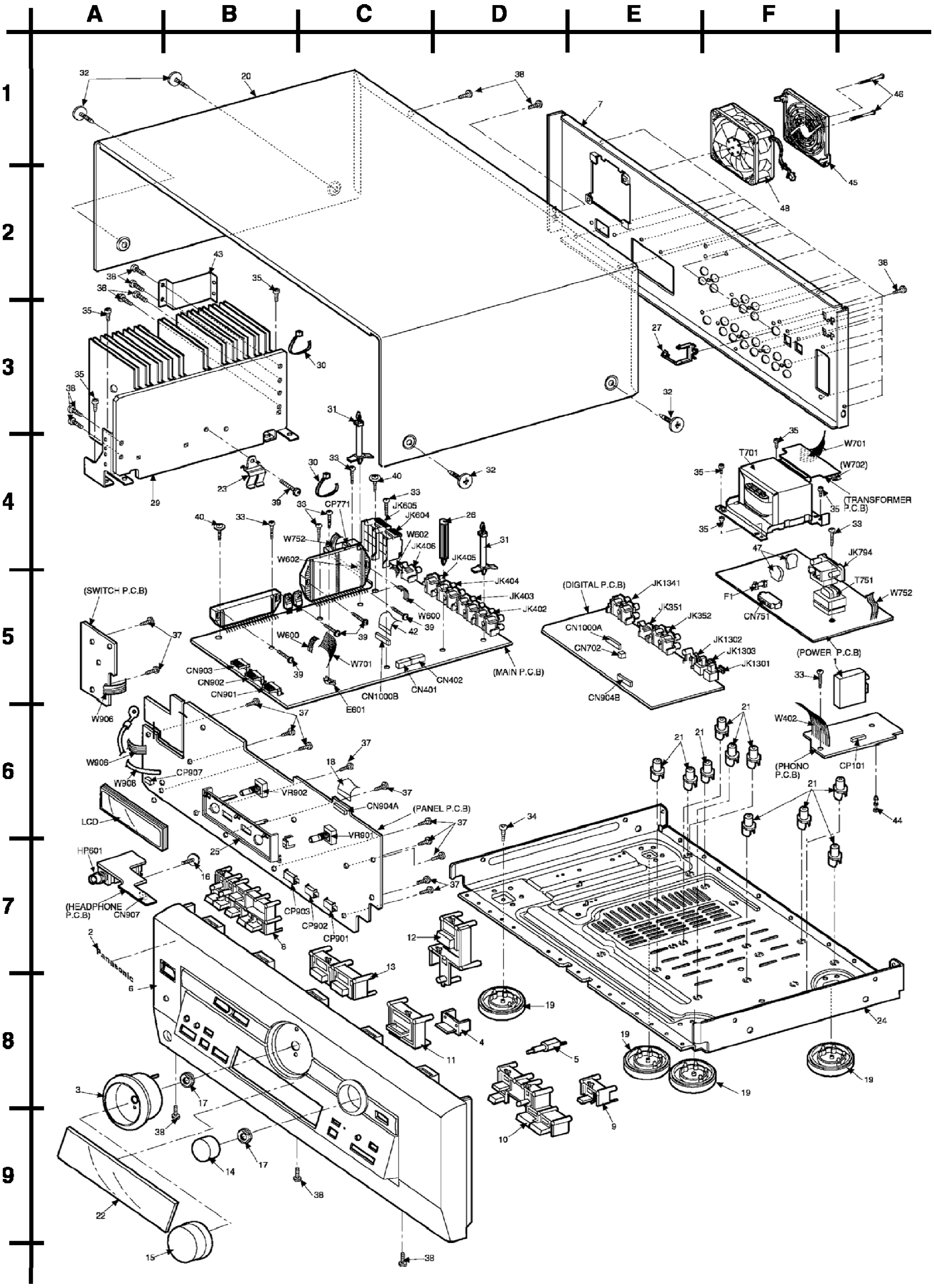
no longer be available.

- [M] indicates in the Remarks columns indicates parts that are supplied by MESA.
- The “(SF)” mark denotes the standard part.
- Reference for O/I book languages are as follows :

Ar : Arabic
Cf : Canadian French
Cz : Czech
Da : Danish
Du : Dutch
En : English
Fr : French
Ge : German
It : Italian
Ko : Korean
Po : Polish
Ru : Russian
Sp : Spanish
Sw : Swedish
Co : Traditional Chinese
Cn : Simplified Ch

15.1. Cabinet

15.1.1. Cabinet Parts Location


A
B
C
D
E
F
1
2
3
4
5
6
7
8
9
32
20
38
7
46
45
48
43
38
38
35
35
30
36
35
38
27
32
31
33
40
32
29
23
39
30
33
CP771
JK605
JK604
W602
JK406
26
31
JK405
W701
(W702)
T701
35
35
(TRANSFORMER P.C.B)
35
33
JK794
47
T751
W752
F1
CN751
40
33
W752
W602
JK404
JK403
JK402
(DIGITAL P.C.B)
JK1341
JK351
JK352
CN1000A
CN702
JK1302
JK1303
JK1301
CN904B
(SWITCH P.C.B)
37
W600
39
W800
39
42
W701
CN903
CN902
CN901
39
CN1000B
CN401
CN402
E601
(MAIN P.C.B)
(POWER P.C.B)
1
33
W402
(PHONO P.C.B)
CP101
21
21
21
21
44
W906
37
37
18
W906
W908
CP907
VR902
37
CN904A
(PANEL P.C.B)
37
LCD
VR901
34
25
HP601
16
37
(HEADPHONE P.C.B)
CN907
CP903
CP902
CP901
8
2
Panasonic
6
12
13
19
24
4
11
5
19
19
19
3
17
38
14
17
10
9
22
38
15
38

15.1.2. Cabinet Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	RAN0002EM	TUNER MODULE	[M]
2	RGB0036-2N	PANASONIC BADGE	[M]
3	RGKV0001-1S	VOLUME RING	[M]K
3	RGKV0001-S	VOLUME RING	[M]S
4	RGL0533-Q	DIGITAL LIGHT GUIDE	[M]
5	RGL0534-Q	MONNITOR LIGHT GUIDE	[M]
6	RGPV0001E-K	FRONT PANEL	[M]K
6	RGPV0001E-S	FRONT PANEL	[M]S
7	RGR0306P-A	REAR PANEL	[M]EG E
7	RGR0306P-B	REAR PANEL	[M]EB
8	RGU1941E-K	MODE BUTTON	[M]K
8	RGU1941E-S	MODE BUTTON	[M]S
9	RGU1947-E	6CH INPUT BUTTON	[M]K
9	RGU1947-S	6CH INPUT BUTTON	[M]S
10	RGU1942-2K	TONE BUTTON	[M]K
10	RGU1942-S	TONE BUTTON	[M]S
11	RGU1945-2K	DIGITAL BUTTON	[M]K
11	RGU1945-S	DIGITAL BUTTON	[M]S
12	RGU1943-2K	POWER BUTTON	[M]K
12	RGU1943-S	POWER BUTTON	[M]S
13	RGU1944A-K	SFC BUTTON	[M]K
13	RGU1944A-S	SFC BUTTON	[M]S
14	RGW0280-1K	SELECTOR KNOB	[M]K
14	RGW0280-S	SELECTOR KNOB	[M]S
15	RGW0359-1K	VOLUME KNOB	[M]K
15	RGW0359-S	VOLUME KNOB	[M]S
16	RHD26016	SCREW (PHONE JACK)	[M]
17	RHN90001	M9 NUT	[M]
18	REE1071	FCC1 (PANEL-DIGITAL)	[M]
19	RKA0079A-A	LEG UNIT	[M]
20	RKM0373C-1K	CABINET	[M]K
20	RKM0373C-S	CABINET	[M]S
21	RKQ0089A	PCB SUPPORT	[M]
22	RKWV0001A-Q	FL WINDOW	[M]
23	RMC0158-S	TRANSISTOR HOLDER	[M]
24	RMK0320-1	BOTTOM CHASSIS	[M]
25	RMN0628A	FL HOLDER	[M]
26	RMN0648	PCB SUPPORT 2	[M]
27	RMN0649	WIRE CLAMPER	[M]
29	RXX0233	HEAT SINK UNIT	[M]
30	SHR301	WIRE CRAMPER	[M]
31	SHR9683	PCB SUPPORT 1	[M]
32	SNE2129-3	SCREW (CABINET)	[M]K
32	SNE2129-2	SCREW (CABINET)	[M]S
33	XTB3+20JFZ	SCREW	[M]
34	XTB3+6G	SCREW	[M]
35	XTB3+8FFZ	SCREW	[M]
36	XTB3+8JFZ	SCREW	[M]
37	XTBS26+10J	SCREW	[M]
38	XTBS3+8JFZ1	SCREW	[M]
39	XTW3+15T	SCREW	[M]
40	XTWS3+8T	SCREW	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
42	REE1072	FCC2 (MAIN-DIGITAL)	[M]
43	RMQ1030	HEAT SINK ANGLE	[M]
44	SHR8006	PCB SPACER	[M]
45	RGQ0330-K	FAN COVER	[M]
46	XTB3+35JFZ	SCREW (FAN)	[M]
47	RMZ0339	ZNR COVER	[M]
48	REM0080B	FAN UNIT	[M]

15.2. Components Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PRINTED CIRCUIT BOARD	
	REP3255B-T	DIGITAL P.C.B.(SIDE:A)	[M](RTL)
	REP3255B-T	DIGITAL P.C.B.(SIDE:B)	[M](RTL)
	REP3253C-M	MAIN P.C.B.	[M](RTL)E/EG
	REP3253D-M	MAIN P.C.B.	[M](RTL)EB
	REP3254B-S	HEADPHONE P.C.B.	[M](RTL)
	REP3254B-S	SWITCH P.C.B.	[M](RTL)
	REP3254B-S	PANEL P.C.B.	[M](RTL)
	REP3253C-M	PHONO EQ P.C.B.	[M](RTL)E/EG
	REP3253D-M	PHONO EQ P.C.B.	[M](RTL)EB
	REP3253C-M	TRANSFORMER P.C.B	[M](RTL)E/EG
	REP3253D-M	TRANSFORMER P.C.B.	[M](RTL)EB
	REP3253C-M	SUB-TRANSFORMER P.C.B	[M](RTL)E/EG
	REP3253D-M	SUB-TRANSFORMER P.C.B.	[M](RTL)EB
		INTEGRATED CIRCUITS	
IC351	NJM2279MTE1	IC VIDEO SELECTOR	[M]
IC401	TC9163AN	IC SELECTOR	[M]
IC402	C0AABB000086	IC OP AMP	[M]
IC601	RSN310R36A-P	IC 3CH HIC	[M] ⚠
IC651	RSN313H25-P	IC HIC	[M] ⚠
IC901	C2BBGF000346	IC MICOM	[M]
IC970	LC72720N	IC RDS	[M]
IC1001	C2HBZZ000008	IC AC3/DTS	[M]
IC1002	C0FBZJ000004	IC DIR/DAC/VOL	[M]
IC1003	SN74LV244APW	IC LOGIC	[M]
IC1004	SN7AHCT244PW	IC LOGIC	[M]
IC1005	SN74HCU04APW	IC LOGIC	[M]
IC1006	SNAHC1U04DBV	IC SINGLE INVERTER	[M]
IC1201	NJM2060MTE1	IC OP AMP	[M]
IC1203	C0ABBB000127	IC OP AMP	[M]
IC1230	NJM2060MTE1	IC OP AMP	[M]
IC1231	C0ABBB000127	IC OP AMP	[M]
IC1301	NJM2060MTE1	IC OP AMP	[M]
IC1302	NJM2060MTE1	IC OP AMP	[M]
IC1401	C0JBAS000175	IC SELECTOR	[M]
IC1402	TC9482F	IC VOLUME	[M]
IC1451	C0ABBB000127	IC OP AMP	[M]
IC1452	NJM2060MTE1	IC OP AMP	[M]
IC1521	C0ABBB000102	IC OP AMP	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
IC1522	C0ABBB000102	IC OP AMP	[M]
IC1701	BA25BC0FP	IC REGULATOR	[M] ⚠
		TRANSISTORS	
Q351	2SD592AQSTA	TRANSISTOR	[M] ⚠
Q352	2SB621AQSTA	TRANSISTOR	[M] ⚠
Q551	2SD1915FTA	TRANSISTOR	[M]
Q552	2SD1915FTA	TRANSISTOR	[M]
Q553	2SD1915FTA	TRANSISTOR	[M]
Q554	2SD1915FTA	TRANSISTOR	[M]
Q555	2SD1915FTA	TRANSISTOR	[M]
Q556	2SD1915FTA	TRANSISTOR	[M]
Q557	2SD1915FTA	TRANSISTOR	[M]
Q560	KRA102MTA	TRANSISTOR	[M]
Q601	KRA119MTA	TRANSISTOR	[M]
Q602	KRA119MTA	TRANSISTOR	[M]
Q604	KRA102MTA	TRANSISTOR	[M] ⚠
Q605	KRA102MTA	TRANSISTOR	[M]
Q651	KRA119MTA	TRANSISTOR	[M]
Q652	KRA119MTA	TRANSISTOR	[M]
Q701	2SD2374PQAU	TRANSISTOR	[M]
Q703	KTC3199GRTA	TRANSISTOR	[M] ⚠
Q704	KTC3199GRTA	TRANSISTOR	[M] ⚠
Q706	KTD863	TRANSISTOR	[M] ⚠
Q707	2SA1534ALA	TRANSISTOR	[M]
Q708	2SB1548PQAU	TRANSISTOR	[M]
Q723	KRA102MTA	TRANSISTOR	[M] ⚠
Q724	KRC102MTA	TRANSISTOR	[M] ⚠
Q725	KRC107MTA	TRANSISTOR	[M] ⚠
Q751	RVTDTC143ZST	TRANSISTOR	[M]
Q752	KTD863	TRANSISTOR	[M] ⚠
Q753	2SK2880CTA	TRANSISTOR	[M] ⚠
Q754	KRC102MTA	TRANSISTOR	[M] ⚠
Q771	KTA1267GRTA	TRANSISTOR	[M]
Q772	KTC3199GRTA	TRANSISTOR	[M]
Q773	2SB621AQSTA	TRANSISTOR	[M]
Q774	RVTDTA113ZST	TRANSISTOR	[M]
Q775	KRA102MTA	TRANSISTOR	[M]
Q776	KTC3199GRTA	TRANSISTOR	[M]
Q777	KTA1267GRTA	TRANSISTOR	[M]
Q778	KTA1267GRTA	TRANSISTOR	[M]
Q779	KTA1267GRTA	TRANSISTOR	[M]
Q780	KTA1267GRTA	TRANSISTOR	[M]
Q781	KTC3199GRTA	TRANSISTOR	[M]
Q901	KRC107MTA	TRANSISTOR	[M]
Q902	KTA1267GRTA	TRANSISTOR	[M]
Q903	KRA102MTA	TRANSISTOR	[M]
Q1001	B1GDCFJN0001	TRANSISTOR	[M]
Q1681	2SD1915FTA	TRANSISTOR	[M]
Q1682	2SD1915FTA	TRANSISTOR	[M]
Q1701	KTC2026	TRANSISTOR	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Remarks
Q1702	2SD2374PQAU	TRANSISTOR	[M] ⚠
Q1703	KTC3199GRTA	TRANSISTOR	[M] ⚠
		DIODES	
D351	UDZSTE175R6B	DIODE	[M]
D352	UDZSTE175R6B	DIODE	[M]
D353	B0ACCK000005	DIODE	[M]
D354	B0ACCK000005	DIODE	[M]
D401	B0BA7R500006	DIODE	[M]
D501	B0AACK000004	DIODE	[M]
D601	B0JAPG000008	DIODE	[M]
D602	B0JAPG000008	DIODE	[M]
D605	B0AACK000004	DIODE	[M]
D612	B0AACK000004	DIODE	[M]
D613	B0AACK000004	DIODE	[M]
D614	B0AACK000004	DIODE	[M]
D617	B0AACK000004	DIODE	[M]
D618	B0BA7R500006	DIODE	[M]
D651	1N5402BM21	DIODE	[M]
D652	1N5402BM21	DIODE	[M]
D701	1N5402BM21	DIODE	[M] ⚠
D702	1N5402BM21	DIODE	[M] ⚠
D703	1N5402BM21	DIODE	[M] ⚠
D704	1N5402BM21	DIODE	[M] ⚠
D705	B0BA6R100003	DIODE	[M]
D707	B0BA03200003	DIODE	[M]
D708	MTZJ16CTA	DIODE	[M]
D721	1N5402BM21	DIODE	[M] ⚠
D722	1N5402BM21	DIODE	[M] ⚠
D723	1N5402BM21	DIODE	[M] ⚠
D724	1N5402BM21	DIODE	[M] ⚠
D725	1N5402BM21	DIODE	[M] ⚠
D726	1N5402BM21	DIODE	[M] ⚠
D727	1N5402BM21	DIODE	[M] ⚠
D728	1N5402BM21	DIODE	[M] ⚠
D731	B0AACK000004	DIODE	[M]
D732	B0AACK000004	DIODE	[M]
D733	B0AACK000004	DIODE	[M]
D734	B0AACK000004	DIODE	[M]
D735	B0AACK000004	DIODE	[M]
D741	1SR35400V	DIODE	[M] ⚠
D742	1SR35400V	DIODE	[M] ⚠
D743	1SR35400V	DIODE	[M] ⚠
D744	1SR35400V	DIODE	[M] ⚠
D751	1SR35400V	DIODE	[M] ⚠
D752	1SR35400V	DIODE	[M] ⚠
D753	1SR35400V	DIODE	[M] ⚠
D754	1SR35400V	DIODE	[M] ⚠
D755	B0AACK000004	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D756	B0BA6R600008	DIODE	[M]
D757	MTZJ16CTA	DIODE	[M]
D768	B0BA3R300010	DIODE	[M]
D769	B0AACK000004	DIODE	[M]
D770	B0AACK000004	DIODE	[M]
D771	RB721Q40T77	DIODE	[M]
D772	RB721Q40T77	DIODE	[M]
D773	B0BA8R200005	DIODE	[M]
D774	RB721Q40T77	DIODE	[M]
D781	RB721Q40T77	DIODE	[M] ⚠
D782	RB721Q40T77	DIODE	[M] ⚠
D901	1SS291TA	DIODE	[M]
D902	B0AACK000004	DIODE	[M]
D903	B0BA5R600016	DIODE	[M]
D904	MTZJ3R9ATA	DIODE	[M]
D905	MA2C167A0E	DIODE	[M]
D911	B0AACK000004	DIODE	[M]
D912	B0AACK000004	DIODE	[M]
D913	B0AACK000004	DIODE	[M]
D914	1SS291TA	DIODE	[M]
D929	SLR56YY3FN	DIODE	[M]
D930	SLR56VR3FN	DIODE	[M]
D938	SLR325MCT31	DIODE	[M]
D940	B3ACA0000063	DIODE	[M]
D944	SLR325MCT31	DIODE	[M]
D970	B0AACK000004	DIODE	[M]
D1705	UDZSTE176R2B	DIODE	[M]
		VARIABLE RESISTORS	
VR901	K9AA012A0002	VR ROTARY ENCODER	[M]
VR902	RRV16B24304A	VR VOLUME ENCODER	[M]
		SWITCHES	
S950	EVQ21405RJ	SW POWER	[M]
S952	EVQ21405RJ	SW SPEAKER	[M]
S953	EVQ21405RJ	SW SFC MODE	[M]
S954	EVQ21405RJ	SW TIMER	[M]
S955	EVQ21405RJ	SW MEMORY	[M]
S956	EVQ21405RJ	SW FM MODE	[M]
S957	EVQ21405RJ	SW BAND	[M]
S958	EVQ21405RJ	SW PRESET	[M]
S959	EVQ21405RJ	SW TUNING UP	[M]
S960	EVQ21405RJ	SW TUNING DOWN	[M]
S962	EVQ21405RJ	SW REST HELP	[M]
S964	EVQ21405RJ	SW SOUND MODE	[M]
S965	EVQ21405RJ	SW DIGITAL	[M]
S966	EVQ21405RJ	SW DVD 6CH	[M]
S967	EVQ21405RJ	SW +/RIGHT	[M]
S968	EVQ21405RJ	SW +/LEFT	[M]
S969	EVQ21405RJ	SW TONE/BALANCE	[M]
S970	EVQ21405RJ	SW TAPE MONITOR	[M]
S971	EVQ21405RJ	SW SUB. WOOFER LEVEL	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
		CONNECTORS	
CN401	K1MP04A00008	4P TAPING CONNECTOR	[M]
CN402	K1MP06A00009	6P TAPING CONNECTOR	[M]
CN702	K1MP03A00010	3P TAPING CONNECTOR	[M]
CN751	K1ML03B00002	3P CONNECTOR	[M]
CN901	K1KB08A00046	BOAD IN CONNECTOR	[M]
CN902	K1KB08A00046	BOAD IN CONNECTOR	[M]
CN903	K1KB10A00065	10P B/B CONNECTOR	[M]
CN904A	K1MN18A00038	18P FFC CONNECTOR	[M]
CN904B	K1MN18A00038	18P FFC CONNECTOR	[M]
CN907	RJU100W04	4P CONNECTOR	[M]
CN1000A	K1MN18A00038	18P FFC CONNECTOR	[M]
CN1000B	K1MN18A00038	18P FFC CONNECTOR	[M]
CP101	K1KA11A00093	11P CONNECTOR	[M]
CP771	K1KA02A00008	FAN CONNECTOR	[M]
CP901	RJT003K008M1	8P CONNECTOR	[M]
CP902	RJT003K008M1	8P CONNECTOR	[M]
CP903	RJT003K010M1	10P CONNECTOR	[M]
CP907	RJT100W04	4P CONNECTOR	[M]
		COILS & TRANSFORMERS	
L602	RLQYR73MW-E	CHOKE COIL	[M]
L603	RLQYR73MW-E	CHOKE COIL	[M]
L604	RLQYR73MW-E	CHOKE COIL	[M]
L651	RLQYR73MW-E	CHOKE COIL	[M]
L652	RLQYR73MW-E	CHOKE COIL	[M]
L701	RLQT801M-W	CHOKE COIL	[M] ⚠
L751	G0C101KA0030	CHOKE COIL	[M]
L901	G0C101KA0030	CHOKE COIL	[M]
L970	G0C101KA0029	AXIAL COIL	[M]
L971	G0C101KA0029	AXIAL COIL	[M]
L1001	G1C2R2K00008	CHIP INDUCTOR	[M]
L1002	G1C2R2K00008	CHIP INDUCTOR	[M]
L1003	G1C2R2K00008	CHIP INDUCTOR	[M]
L1004	G1C2R2K00008	CHIP INDUCTOR	[M]
L1303	VLQ0855M1R0T	CHIP INDUCTOR	[M]
L1304	RLQZ150M-0	CHOKE COIL	[M]
T701	G4C8AGH00002	POWER TRANSFORMER	[M] ⚠
T751	RTP1H5B001	STANDBY TRANSFORMER	[M] ⚠
		COMPONENT COMBINATION	
Z751	ERZV10V511CS	ZENER	[M] ⚠
Z901	B3RAB0000013	REMOTE SENSOR	[M]
Z1304	J0JKB0000020	EMI BEAD CORE	[M]
Z1308	J0JKB0000020	EMI BEAD CORE	[M]
		CERAMIC FILTERS	

Ref. No.	Part No.	Part Name & Description	Remarks
CF901	**H2B400400008**	**CERAMIC OSCILLATOR**	**[M]**
		RELAY	
RL602	**K6B2AHA00014**	**RELAY**	**[M]** ⚠
RL603	**K6B2AHA00014**	**RELAY**	**[M]** ⚠
RL604	**K6B2AHA00014**	**RELAY**	**[M]** ⚠
RL751	**RSY0040M-0**	**POWER RELAY**	**[M]** ⚠
		OSCILLATORS	
X970	**H0H433400001**	**CRYSTAL OSCILLATOR**	**[M]**
X1001	**H0J122200001**	**CRYSTAL OSCILLATOR**	**[M]**
		DISPLAY TUBE	
FL901	**A2BB00000100**	**FL DISPLAY**	**[M]**
		FUSES	
F1	**XBA2C25TB0**	**FUSE**	**[M]** ⚠
F3	**XBA2C63TB0**	**FUSE**	**[M]** ⚠
F4	**XBA2C63TB0**	**FUSE**	**[M]** ⚠
F5	**XBA2C10TB0**	**FUSE**	**[M]** ⚠
		FUSE HOLDERS	
FC701	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC702	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC705	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC706	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC707	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC708	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC709	**EYF52BC**	**FUSE HOLDER**	**[M]**
FC710	**EYF52BC**	**FUSE HOLDER**	**[M]**
		JACK	
HP601	**K2HB103J0063**	**HEADPHONES JACK**	**[M]**
		JACKS	
JK351	**K4BK01H00001**	**JK 1 PIN RCA**	**[M]**
JK352	**K4BK04H00002**	**JK 4 PIN RCA**	**[M]**
JK402	**K4BK04H00001**	**JK 4 PIN RCA**	**[M]**
JK403	**K4BK04H00001**	**JK 4 PIN RCA**	**[M]**
JK404	**K4BK04H00001**	**JK 4 PIN RCA**	**[M]**
JK405	**K4BK02H00002**	**JK 2 PIN RCA**	**[M]**
JK406	**K2HA101B0003**	**JK 1 PIN RCA**	**[M]**
JK604	**RJR0054-J**	**JK SPEAKER TERMINAL**	**[M]**
JK605	**RJH5603-8**	**JK SPEAKER TERMINAL**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
JK794	SJS9236-1	JK AC INLET	[M] ⚠
JK1301	K7ABBC000001	JK OPTICAL INPUT	[M]
JK1302	RJH2110N-3	JK 1 PIN RCA	[M]
JK1303	K7ABBC000001	JK OPTICAL INPUT	[M]
JK1341	K4BK04H00003	JK 4P RCA	[M]
		EARTH TERMINAL	
E601	SNE1004-2	EARTH TERMINAL	[M]
		WIRES	
W402	RWJ1810120SX	10P WIRE	[M]
W600	RWJ1805250SS	WIRE	[M]
W602	RWJ1803090SS	WIRE	[M]
W701	RWJ1812520SS	WIRE	[M]
W702	RWJ1803320SX	WIRE	[M]
W752	RWJ1803180SS	WIRE	[M]
W906	RWJ1805150SS	WIRE	[M]
W908	REZ1372	EARTH WIRE	[M]
		RESISTORS	
R351	ERJ3GEYJ750V	75 1/16W	[M]
R352	ERJ3GEYJ750V	75 1/16W	[M]
R353	ERJ3GEYJ750V	75 1/16W	[M]
R354	ERJ3GEYJ750V	75 1/16W	[M]
R355	ERJ3GEYJ103V	10K 1/16W	[M]
R356	ERJ3GEYJ103V	10K 1/16W	[M]
R357	ERJ3GEYJ103V	10K 1/16W	[M]
R358	ERJ3GEYJ102V	1K 1/16W	[M]
R359	ERJ3GEYJ102V	1K 1/16W	[M]
R360	ERD2FCVG220T	22 1/4W	[M]
R361	ERJ3GEYJ182V	1.8K 1/16W	[M]
R362	ERJ3GEYJ182V	1.8K 1/16W	[M]
R363	ERD2FCVG220T	22 1/4W	[M]
R364	ERJ3GEYJ750V	75 1/16W	[M]
R401	ERDS2TJ102T	1K 1/4W	[M]
R402	ERDS2TJ102T	1K 1/4W	[M]
R403	ERDS2TJ102T	1K 1/4W	[M]
R404	ERDS2TJ102T	1K 1/4W	[M]
R405	ERDS2TJ102T	1K 1/4W	[M]
R406	ERDS2TJ102T	1K 1/4W	[M]
R407	ERDS2TJ102T	1K 1/4W	[M]
R408	ERDS2TJ102T	1K 1/4W	[M]
R409	ERDS2TJ102T	1K 1/4W	[M]
R410	ERDS2TJ102T	1K 1/4W	[M]
R411	ERDS2TJ102T	1K 1/4W	[M]
R412	ERDS2TJ102T	1K 1/4W	[M]
R413	ERDS2TJ102T	1K 1/4W	[M]
R414	ERDS2TJ102T	1K 1/4W	[M]
R415	ERDS2TJ102T	1K 1/4W	[M]
R416	ERDS2TJ102T	1K 1/4W	[M]
R417	ERDS2TJ473T	47K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R418	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R419	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R420	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R421	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R422	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R423	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R424	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R425	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R426	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R427	**ERDS2TJ103T**	**10K 1/4W**	**[M]**
R449	**ERDS1FVJ560T**	**56 1/2W**	**[M]** ⚠
R450	**ERDS1FVJ560T**	**56 1/2W**	**[M]** ⚠
R467	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R468	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R485	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R486	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R544	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R545	**ERDS2TJ684T**	**680K 1/4W**	**[M]**
R546	**ERDS2TJ104T**	**100K 1/4W**	**[M]**
R547	**ERDS2TJ684T**	**680K 1/4W**	**[M]**
R548	**ERDS2TJ822T**	**8.2K 1/4W**	**[M]**
R549	**ERDS2TJ822T**	**8.2K 1/4W**	**[M]**
R550	**ERDS2TJ822T**	**8.2K 1/4W**	**[M]**
R551	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R552	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R553	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R554	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R555	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R556	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R557	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R581	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R582	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R583	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R584	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R585	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R586	**ERDS2TJ473T**	**47K 1/4W**	**[M]**
R591	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R592	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R593	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R594	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R595	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R596	**ERDS2TJ272T**	**2.7K 1/4W**	**[M]**
R603	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R604	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**
R605	**ERDS2TJ221T**	**220 1/4W**	**[M]**
R606	**ERDS2TJ221T**	**220 1/4W**	**[M]**
R607	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R608	**ERDS2TJ563T**	**56K 1/4W**	**[M]**
R609	**ERDS2TJ470T**	**47 1/4W**	**[M]**
R610	**ERDS2TJ470T**	**47 1/4W**	**[M]**
R611	**ERDS1FVJ100T**	**10 1/2W**	**[M]** ⚠
R612	**ERDS1FVJ100T**	**10 1/2W**	**[M]** ⚠
R613	**ERDS2TJ182T**	**1.8K 1/4W**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
R614	ERDS2TJ182T	1.8K 1/4W	[M]
R615	ERDS2TJ681T	680 1/4W	[M]
R616	ERD25FVJ820T	82 1/4W	[M]
R617	ERD25FVJ820T	82 1/4W	[M]
R618	ERD25FVJ820T	82 1/4W	[M]
R619	ERD25FVJ820T	82 1/4W	[M]
R621	ERDS2TJ682T	6.8K 1/4W	[M]
R622	ERDS2TJ682T	6.8K 1/4W	[M]
R623	ERDS2TJ682T	6.8K 1/4W	[M]
R624	ERD25FVJ4R7T	4.7 1/4W	[M]
R625	ERG1SJ101E	100 1W	[M] ⚠
R626	ERG1SJ101E	100 1W	[M] ⚠
R627	ERG1SJ101E	100 1W	[M] ⚠
R628	ERG1SJ101E	100 1W	[M] ⚠
R629	ERDS2TJ102T	1K 1/4W	[M]
R630	ERDS2TJ124T	120K 1/4W	[M]
R631	ERDS2TJ154T	150K 1/4W	[M]
R632	ERDS2TJ184T	180K 1/4W	[M]
R633	ERDS2TJ473T	47K 1/4W	[M]
R634	ERDS2TJ274T	270K 1/4W	[M]
R635	ERDS2TJ154T	150K 1/4W	[M]
R637	ERDS2TJ154T	150K 1/4W	[M]
R638	ERDS2TJ154T	150K 1/4W	[M]
R639	ERDS2TJ104T	100K 1/4W	[M]
R640	ERDS2TJ681T	680 1/4W	[M]
R642	ERDS2TJ182T	1.8K 1/4W	[M]
R643	ERDS2TJ563T	56K 1/4W	[M]
R644	ERDS1FVJ100T	10 1/2W	[M] ⚠
R645	ERDS2TJ470T	47 1/4W	[M]
R647	ERDS2TJ221T	220 1/4W	[M]
R653	ERDS2TJ182T	1.8K 1/4W	[M]
R654	ERDS2TJ182T	1.8K 1/4W	[M]
R655	ERDS2TJ221T	220 1/4W	[M]
R656	ERDS2TJ221T	220 1/4W	[M]
R657	ERDS2TJ563T	56K 1/4W	[M]
R658	ERDS2TJ563T	56K 1/4W	[M]
R661	ERDS1FVJ100T	10 1/2W	[M] ⚠
R662	ERDS1FVJ100T	10 1/2W	[M] ⚠
R663	ERDS2TJ470T	47 1/4W	[M]
R664	ERDS2TJ470T	47 1/4W	[M]
R671	ERD25FVJ820T	82 1/4W	[M]
R672	ERD25FVJ471T	470 1/4W	[M]
R674	ERD25FVJ4R7T	4.7 1/4W	[M]
R679	ERDS2TJ682T	6.8K 1/4W	[M]
R681	ERDS2TJ184T	180K 1/4W	[M]
R682	ERDS2TJ224T	220K 1/4W	[M]
R683	ERDS2TJ473T	47K 1/4W	[M]
R684	ERDS2TJ274T	270K 1/4W	[M]
R685	ERDS2TJ154T	150K 1/4W	[M]
R687	ERDS2TJ154T	150K 1/4W	[M]
R688	ERDS2TJ154T	150K 1/4W	[M]
R698	ERDS2TJ182T	1.8K 1/4W	[M]
R699	ERDS2TJ182T	1.8K 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R705	ERDS2TJ472T	4.7K 1/4W	[M]
R706	ERDS2TJ102T	1K 1/4W	[M]
R707	ERD25FVJ221T	220 1/4W	[M]
R708	ERDS2TJ152T	1.5K 1/4W	[M]
R711	ERDS2TJ752T	7.5K 1/4W	[M]
R712	ERDS2TJ682T	6.8K 1/4W	[M]
R713	ERDS2TJ390T	39 1/4W	[M]
R714	ERDS2TJ390T	39 1/4W	[M]
R718	ERDS2TJ333T	33K 1/4W	[M]
R719	ERDS2TJ333T	33K 1/4W	[M]
R720	ERDS2TJ821T	820 1/4W	[M]
R721	ERDS1FVJ221T	220 1/2W	[M] ⚠
R722	ERDS2TJ123T	12K 1/4W	[M]
R723	ERDS1FVJ1R2T	1.2 1/2W	[M] ⚠
R724	ERDS1FVJ1R2T	1.2 1/2W	[M] ⚠
R725	ERDS2TJ152T	1.5K 1/4W	[M]
R726	ERD25FVJ151T	150 1/4W	[M]
R728	ERDS2TJ684T	680K 1/4W	[M]
R729	ERDS2TJ684T	680K 1/4W	[M]
R730	ERDS1FVJ8R2T	8.2 1/2W	[M] ⚠
R755	ERDS2TJ222T	2.2K 1/4W	[M]
R766	ERDS2TJ473T	47K 1/4W	[M]
R767	ERDS2TJ154T	150K 1/4W	[M]
R768	ERDS2TJ102T	1K 1/4W	[M]
R769	ERDS2TJ103T	10K 1/4W	[M]
R770	ERDS2TJ104T	100K 1/4W	[M]
R771	ERDS2TJ104T	100K 1/4W	[M]
R773	ERDS2TJ103T	10K 1/4W	[M]
R774	ERDS2TJ155T	1.5M 1/4W	[M]
R775	ERDS2TJ331T	330 1/4W	[M]
R776	ERDS1FVJ220T	22 1/2W	[M] ⚠
R777	ERDS2TJ154T	150K 1/4W	[M]
R778	ERDS2TJ472T	4.7K 1/4W	[M]
R779	ERDS2TJ103T	10K 1/4W	[M]
R780	ERDS1FVJ3R9T	3.9 1/2W	[M] ⚠
R782	ERDS2TJ390T	39 1/4W	[M]
R784	ERDS2TJ154T	150K 1/4W	[M]
R786	ERDS2TJ154T	150K 1/4W	[M]
R791	D0AE123JA002	12K 1/4W	[M]
R792	D0AE123JA002	12K 1/4W	[M]
R793	D0AE123JA002	12K 1/4W	[M]
R794	D0AE123JA002	12K 1/4W	[M]
R795	D0AE223JA002	22K 1/4W	[M]
R797	D0AE223JA002	22K 1/4W	[M]
R798	D0AE223JA002	22K 1/4W	[M]
R799	D0AE682JA002	6.8K 1/4W	[M]
R901	ERDS2TJ102T	1K 1/4W	[M]
R902	ERDS2TJ472T	4.7K 1/4W	[M]
R903	ERDS2TJ103T	10K 1/4W	[M]
R904	ERDS2TJ102T	1K 1/4W	[M]
R905	ERDS2TJ104T	100K 1/4W	[M]
R906	ERDS2TJ271T	270 1/4W	[M]
R907	ERDS2TJ121T	120 1/4W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R908	ERDS2TJ223T	22K 1/4W	[M]
R909	ERDS2TJ223T	22K 1/4W	[M]
R910	ERDS2TJ222T	2.2K 1/4W	[M]
R911	ERDS2TJ222T	2.2K 1/4W	[M]
R912	ERDS2TJ104T	100K 1/4W	[M]
R915	ERDS2TJ101T	100 1/4W	[M]
R916	ERDS2TJ101T	100 1/4W	[M]
R917	ERDS2TJ102T	1K 1/4W	[M]
R918	ERDS2TJ103T	10K 1/4W	[M]
R919	ERDS2TJ103T	10K 1/4W	[M]
R920	ERDS2TJ103T	10K 1/4W	[M]
R921	ERDS2TJ472T	4.7K 1/4W	[M]
R922	ERDS2TJ104T	100K 1/4W	[M]
R923	ERDS2TJ103T	10K 1/4W	[M]
R924	ERDS2TJ103T	10K 1/4W	[M]
R925	ERDS2TJ181T	180 1/4W	[M]
R926	ERDS2TJ181T	180 1/4W	[M]
R927	ERDS2TJ101T	100 1/4W	[M]
R928	ERDS2TJ101T	100 1/4W	[M]
R929	ERDS2TJ822T	8.2K 1/4W	[M]
R938	ERDS2TJ151T	150 1/4W	[M]
R940	ERDS2TJ271T	270 1/4W	[M]
R946	ERDS2TJ151T	150 1/4W	[M]
R950	ERDS2TJ102T	1K 1/4W	[M]
R951	ERDS2TJ222T	2.2K 1/4W	[M]
R952	ERDS2TJ152T	1.5K 1/4W	[M]
R953	ERDS2TJ182T	1.8K 1/4W	[M]
R954	ERDS2TJ222T	2.2K 1/4W	[M]
R955	ERDS2TJ332T	3.3K 1/4W	[M]
R956	ERDS2TJ472T	4.7K 1/4W	[M]
R957	ERDS2TJ682T	6.8K 1/4W	[M]
R958	ERDS2TJ123T	12K 1/4W	[M]
R960	ERDS2TJ102T	1K 1/4W	[M]
R961	ERDS2TJ122T	1.2K 1/4W	[M]
R962	ERDS2TJ152T	1.5K 1/4W	[M]
R963	ERDS2TJ182T	1.8K 1/4W	[M]
R964	ERDS2TJ222T	2.2K 1/4W	[M]
R965	ERDS2TJ332T	3.3K 1/4W	[M]
R966	ERDS2TJ472T	4.7K 1/4W	[M]
R967	ERDS2TJ682T	6.8K 1/4W	[M]
R968	ERDS2TJ123T	12K 1/4W	[M]
R971	ERDS2TJ102T	1K 1/4W	[M]
R972	ERDS2TJ102T	1K 1/4W	[M]
R973	ERDS2TJ102T	1K 1/4W	[M]
R974	ERDS2TJ102T	1K 1/4W	[M]
R975	ERDS2TJ103T	10K 1/4W	[M]
R976	ERDS2TJ104T	100K 1/4W	[M]
R991	ERDS2TJ104T	100K 1/4W	[M]
R992	ERDS2TJ104T	100K 1/4W	[M]
R993	ERDS2TJ104T	100K 1/4W	[M]
R994	ERDS2TJ104T	100K 1/4W	[M]
R1012	ERJ3GEYJ103V	10K 1/16W	[M]
R1013	ERJ3GEYJ103V	10K 1/16W	[M]
R1014	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1015	ERJ3GEYJ103V	10K 1/16W	[M]
R1016	ERJ3GEYJ103V	10K 1/16W	[M]
R1017	ERJ3GEYJ103V	10K 1/16W	[M]
R1018	ERJ3GEYJ103V	10K 1/16W	[M]
R1019	ERJ3GEYJ103V	10K 1/16W	[M]
R1020	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1021	ERJ3GEYJ103V	10K 1/16W	[M]
R1022	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1023	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1024	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1025	ERJ3GEYJ103V	10K 1/16W	[M]
R1026	ERJ3GEYJ330V	33 1/16W	[M]
R1027	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1028	ERJ3GEYJ333V	33K 1/16W	[M]
R1029	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1030	ERJ3GEYJ105V	1M 1/16W	[M]
R1031	ERJ3GEYJ102V	1K 1/16W	[M]
R1032	ERJ3GEYJ330V	33 1/16W	[M]
R1033	ERJ3GEYJ102V	1K 1/16W	[M]
R1034	ERJ3GEYJ102V	1K 1/16W	[M]
R1035	ERJ3GEYJ102V	1K 1/16W	[M]
R1036	ERJ3GEYJ102V	1K 1/16W	[M]
R1037	ERJ3GEYJ104V	100K 1/16W	[M]
R1038	ERJ3GEYJ102V	1K 1/16W	[M]
R1039	ERJ3GEYJ104V	100K 1/16W	[M]
R1040	ERJ3GEYJ102V	1K 1/16W	[M]
R1041	ERJ3GEYJ330V	33 1/16W	[M]
R1042	ERJ3GEYJ330V	33 1/16W	[M]
R1043	ERJ3GEYJ470V	47 1/16W	[M]
R1044	ERJ3GEYJ470V	47 1/16W	[M]
R1045	ERJ3GEYJ470V	47 1/16W	[M]
R1046	ERJ3GEYJ470V	47 1/16W	[M]
R1047	ERJ3GEYJ1R5V	1.5 1/16W	[M]
R1048	ERJ3GEYJ104V	100K 1/16W	[M]
R1049	ERJ3GEYJ102V	1K 1/16W	[M]
R1050	ERJ3GEYJ102V	1K 1/16W	[M]
R1051	ERJ3GEYJ102V	1K 1/16W	[M]
R1052	ERJ3GEYJ102V	1K 1/16W	[M]
R1053	ERJ3GEYJ102V	1K 1/16W	[M]
R1054	ERJ3GEYJ102V	1K 1/16W	[M]
R1055	ERJ3GEYJ102V	1K 1/16W	[M]
R1056	ERJ3GEYJ102V	1K 1/16W	[M]
R1057	ERJ3GEYJ102V	1K 1/16W	[M]
R1058	ERJ3GEYJ102V	1K 1/16W	[M]
R1059	ERJ3GEYJ102V	1K 1/16W	[M]
R1060	ERJ3GEYJ102V	1K 1/16W	[M]
R1061	ERJ3GEYJ102V	1K 1/16W	[M]
R1062	ERJ3GEYJ102V	1K 1/16W	[M]
R1063	ERJ3GEYJ102V	1K 1/16W	[M]
R1064	ERJ3GEYJ331V	330 1/16W	[M]
R1065	ERJ3GEYJ331V	330 1/16W	[M]
R1066	ERJ3GEYJ331V	330 1/16W	[M]
R1067	ERJ3GEYJ331V	330 1/16W	[M]
R1068	ERJ3GEYJ473V	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1069	ERJ3GEYJ100V	10 1/16W	[M]
R1201	ERJ3GEYJ102V	1K 1/16W	[M]
R1202	ERJ3GEYJ473V	47K 1/16W	[M]
R1203	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1204	ERJ3GEYJ183V	18K 1/16W	[M]
R1205	ERJ3GEYJ102V	1K 1/16W	[M]
R1206	ERJ3GEYJ473V	47K 1/16W	[M]
R1207	ERJ3GEYJ473V	47K 1/16W	[M]
R1208	ERJ3GEYJ102V	1K 1/16W	[M]
R1209	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1210	ERJ3GEYJ183V	18K 1/16W	[M]
R1211	ERJ3GEYJ183V	18K 1/16W	[M]
R1212	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1213	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1214	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1215	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1216	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1217	ERJ3GEYJ473V	47K 1/16W	[M]
R1218	ERJ3GEYJ473V	47K 1/16W	[M]
R1219	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1225	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1231	ERJ3GEYJ473V	47K 1/16W	[M]
R1232	ERJ3GEYJ473V	47K 1/16W	[M]
R1233	ERJ3GEYJ473V	47K 1/16W	[M]
R1234	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1235	ERJ3GEYJ102V	1K 1/16W	[M]
R1236	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1237	ERJ3GEYJ101V	100 1/16W	[M]
R1238	ERJ3GEYJ183V	18K 1/16W	[M]
R1239	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1240	ERJ3GEYJ102V	1K 1/16W	[M]
R1241	ERJ3GEYJ102V	1K 1/16W	[M]
R1242	ERJ3GEYJ183V	18K 1/16W	[M]
R1243	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1244	ERJ3GEYJ222V	2.2K 1/16W	[M]
R1245	ERJ3GEYJ183V	18K 1/16W	[M]
R1247	ERJ3GEYJ102V	1K 1/16W	[M]
R1248	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1249	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1250	ERJ3GEYJ561V	560 1/16W	[M]
R1251	ERJ3GEYJ182V	1.8K 1/16W	[M]
R1252	ERJ3GEYJ473V	47K 1/16W	[M]
R1260	ERJ3GEYJ104V	100K 1/16W	[M]
R1261	ERJ3GEYJ104V	100K 1/16W	[M]
R1301	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1302	ERJ3GEYJ102V	1K 1/16W	[M]
R1303	ERJ3GEYJ470V	47 1/16W	[M]
R1304	ERJ3GEYJ332V	3.3K 1/16W	[M]
R1305	ERJ3GEYJ102V	1K 1/16W	[M]
R1306	ERJ3GEYJ470V	47 1/16W	[M]
R1307	ERJ3GEYJ151V	150 1/16W	[M]
R1308	ERJ3GEYJ100V	10 1/16W	[M]
R1309	ERJ3GEYJ470V	47 1/16W	[M]
R1310	ERJ3GEYJ100V	10 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1341	ERJ3GEYJ102V	1K 1/16W	[M]
R1342	ERJ3GEYJ102V	1K 1/16W	[M]
R1343	ERJ3GEYJ102V	1K 1/16W	[M]
R1344	ERJ3GEYJ102V	1K 1/16W	[M]
R1345	ERJ3GEYJ104V	100K 1/16W	[M]
R1346	ERJ3GEYJ104V	100K 1/16W	[M]
R1347	ERJ3GEYJ104V	100K 1/16W	[M]
R1348	ERJ3GEYJ104V	100K 1/16W	[M]
R1349	ERJ3GEYJ473V	47K 1/16W	[M]
R1350	ERJ3GEYJ473V	47K 1/16W	[M]
R1351	ERJ3GEYJ473V	47K 1/16W	[M]
R1352	ERJ3GEYJ473V	47K 1/16W	[M]
R1353	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1354	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1355	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1356	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1357	ERJ3GEYJ101V	100 1/16W	[M]
R1358	ERJ3GEYJ472V	4.7K 1/16W	[M]
R1359	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1360	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1361	ERJ3GEYJ152V	1.5K 1/16W	[M]
R1402	ERJ3GEYJ102V	1K 1/16W	[M]
R1403	ERJ3GEYJ102V	1K 1/16W	[M]
R1404	ERJ3GEYJ473V	47K 1/16W	[M]
R1405	ERJ3GEYJ473V	47K 1/16W	[M]
R1406	ERJ3GEYJ473V	47K 1/16W	[M]
R1407	ERJ3GEYJ103V	10K 1/16W	[M]
R1408	ERJ3GEYJ103V	10K 1/16W	[M]
R1409	ERJ3GEYJ103V	10K 1/16W	[M]
R1410	ERJ3GEYJ473V	47K 1/16W	[M]
R1411	ERJ3GEYJ473V	47K 1/16W	[M]
R1412	ERJ3GEYJ473V	47K 1/16W	[M]
R1413	ERJ3GEYJ102V	1K 1/16W	[M]
R1414	ERJ3GEYJ102V	1K 1/16W	[M]
R1415	ERJ3GEYJ102V	1K 1/16W	[M]
R1451	ERJ3GEYJ473V	47K 1/16W	[M]
R1452	ERJ3GEYJ182V	1.8K 1/16W	[M]
R1453	ERJ3GEYJ101V	100 1/16W	[M]
R1454	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1455	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1456	ERJ3GEYJ101V	100 1/16W	[M]
R1457	ERJ3GEYJ182V	1.8K 1/16W	[M]
R1458	ERJ3GEYJ473V	47K 1/16W	[M]
R1459	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1460	ERJ3GEYJ102V	1K 1/16W	[M]
R1461	ERJ3GEYJ473V	47K 1/16W	[M]
R1462	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1463	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1464	ERJ3GEYJ473V	47K 1/16W	[M]
R1465	ERJ3GEYJ102V	1K 1/16W	[M]
R1466	ERJ3GEYJ392V	3.9K 1/16W	[M]
R1467	ERJ3GEYJ102V	1K 1/16W	[M]
R1468	ERJ3GEYJ682V	6.8K 1/16W	[M]
R1469	ERJ3GEYJ682V	6.8K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1470	**ERJ3GEYJ102V**	**1K 1/16W**	**[M]**
R1480	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1481	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1483	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1484	**ERJ3GEYJ104V**	**100K 1/16W**	**[M]**
R1521	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1522	**ERJ3GEYJ223V**	**22K 1/16W**	**[M]**
R1523	**ERJ3GEYJ224V**	**220K 1/16W**	**[M]**
R1524	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1525	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1526	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1527	**ERJ3GEYJ472V**	**4.7K 1/16W**	**[M]**
R1528	**ERJ3GEYJ223V**	**22K 1/16W**	**[M]**
R1529	**ERJ3GEYJ224V**	**220K 1/16W**	**[M]**
R1530	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1531	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1681	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1682	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1683	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1684	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1685	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1686	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1687	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1688	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1689	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1690	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1691	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1692	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1693	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1694	**ERDS2TJ270T**	**27 1/4W**	**[M]**
R1695	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R1696	**ERDS2TJ102T**	**1K 1/4W**	**[M]**
R1699	**ERDS2TJ332T**	**3.3K 1/4W**	**[M]**
R1701	**ERDS1FVJ4R7T**	**4.7 1/2W**	**[M]** ⚠
R1702	**ERDS1FVJ4R7T**	**4.7 1/2W**	**[M]** ⚠
R1703	**ERJ3GEYJ103V**	**10K 1/16W**	**[M]**
R1704	**ERJ3GEYJ272V**	**2.7K 1/16W**	**[M]**
R1705	**ERJ3GEYJ331V**	**330 1/16W**	**[M]**
R1706	**ERJ3GEYJ331V**	**330 1/16W**	**[M]**
R1707	**ERJ3GEYJ821V**	**820 1/16W**	**[M]**
R1916	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1928	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1929	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1930	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1931	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1932	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1933	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1934	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1942	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1943	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
R1945	**ERJ3GEYJ101V**	**100 1/16W**	**[M]**
		CAPACITORS	

Ref. No.	Part No.	Part Name & Description	Remarks
C351	ECJ1VC1H470J	47P 50V	[M]
C352	ECJ1VC1H470J	47P 50V	[M]
C353	ECA1CAK470XB	47 16V	[M]
C354	ECA1CAK470XB	47 16V	[M]
C355	ECA1CAK470XB	47 16V	[M]
C356	ECUVNC104ZFV	0.1 16V	[M]
C357	ECUVNC104ZFV	0.1 16V	[M]
C358	ECA0JAK101XB	100 6.3V	[M]
C359	ECA0JAK101XB	100 6.3V	[M]
C360	ECUV1H103KBV	0.01 50V	[M]
C361	ECA0JAK101XB	100 6.3V	[M]
C362	ECA0JAK101XB	100 6.3V	[M]
C363	ECUV1H103KBV	0.01 50V	[M]
C401	ECA1HAK4R7XB	4.7 50V	[M]
C402	ECA1HAK4R7XB	4.7 50V	[M]
C403	ECBT1H103KB5	0.01 50V	[M]
C404	ECBT1H103KB5	0.01 50V	[M]
C405	F1D1H101A012	100P 50V	[M]
C409	ECA1CAK220XB	22 16V	[M]
C410	ECA1CAK220XB	22 16V	[M]
C411	F1D1H101A012	100P 50V	[M]
C412	F1D1H101A012	100P 50V	[M]
C413	ECA1CAK100XB	10 16V	[M]
C414	ECA1CAK100XB	10 16V	[M]
C415	ECBT1H103KB5	0.01 50V	[M]
C416	ECBT1H103KB5	0.01 50V	[M]
C417	ECA1CAK100XB	10 16V	[M]
C418	ECA1CAK100XB	10 16V	[M]
C421	F1D1H101A012	100P 50V	[M]
C422	F1D1H101A012	100P 50V	[M]
C423	F1D1H101A012	100P 50V	[M]
C424	F1D1H101A012	100P 50V	[M]
C425	F1D1H331A012	330P 50V	[M]
C426	F1D1H331A012	330P 50V	[M]
C427	F1D1H331A012	330P 50V	[M]
C428	F1D1H331A012	330P 50V	[M]
C429	F1D1H101A012	100P 50V	[M]
C430	F1D1H101A012	100P 50V	[M]
C431	F1D1H101A012	100P 50V	[M]
C432	F1D1H101A012	100P 50V	[M]
C433	F1D1H101A012	100P 50V	[M]
C434	F1D1H101A012	100P 50V	[M]
C467	ECBT1H103KB5	0.01 50V	[M]
C482	ECA1HAK3R3XB	3.3 50V	[M]
C483	F1D1H101A012	100P 50V	[M]
C499	F1D1H102A012	1000P 50V	[M]
C533	F1D1H1040002	0.1 50V	[M]
C534	F1D1H1040002	0.1 50V	[M]
C535	F1D1H1040002	0.1 50V	[M]
C583	ECA1CAK100XB	10 16V	[M]
C584	ECA1CAK100XB	10 16V	[M]
C585	ECA1CAK100XB	10 16V	[M]
C586	ECA1CAK100XB	10 16V	[M]
C601	ECA1JAM330XB	33 63V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C602	**ECA1JAM330XB**	**33 63V**	**[M]**
C603	**F1D1H821A012**	**820P 50V**	**[M]**
C604	**F1D1H821A012**	**820P 50V**	**[M]**
C607	**ECCR1H180KC5**	**18P 50V**	**[M]**
C608	**ECCR1H180KC5**	**18P 50V**	**[M]**
C611	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C612	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C613	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C614	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C615	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C616	**ECA1HAM470XB**	**47 50V**	**[M]**
C617	**ECEA2AN2R2SB**	**2.2 100V**	**[M]**
C618	**F1D1H102A012**	**1000P 50V**	**[M]**
C621	**ECA2AAM330XB**	**33 100V**	**[M]**
C622	**ECA2AAM330XB**	**33 100V**	**[M]**
C625	**ECEA1HN220UB**	**22 50V**	**[M]**
C626	**ECEA1HN220UB**	**22 50V**	**[M]**
C627	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C629	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C635	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C636	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C637	**ECKR1H223ZF5**	**0.022 50V**	**[M]**
C641	**ECA1JAM330XB**	**33 63V**	**[M]**
C642	**F1D1H821A012**	**820P 50V**	**[M]**
C643	**ECCR1H180KC5**	**18P 50V**	**[M]**
C644	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C645	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C651	**ECA1JAM330XB**	**33 63V**	**[M]**
C652	**ECA1JAM330XB**	**33 63V**	**[M]**
C653	**F1D1H821A012**	**820P 50V**	**[M]**
C654	**F1D1H821A012**	**820P 50V**	**[M]**
C657	**ECCR1H100KC5**	**10P 50V**	**[M]**
C658	**ECCR1H100KC5**	**10P 50V**	**[M]**
C661	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C662	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C663	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C664	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C666	**ECA1EAM101XB**	**100 25V**	**[M]**
C667	**ECEA2AN2R2SB**	**2.2 100V**	**[M]**
C668	**F1D1H102A012**	**1000P 50V**	**[M]**
C671	**ECA2AAM330XB**	**33 100V**	**[M]**
C672	**ECA2AAM330XB**	**33 100V**	**[M]**
C685	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C701	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C702	**ECQE2104KF3**	**0.1 250V**	**[M]**
C703	**RCE1J472MHSK**	**4700P 63V**	**[M]** ⚠
C704	**RCE1J472MHSK**	**4700P 63V**	**[M]** ⚠
C705	**RCE1V562MHSK**	**5600P 35V**	**[M]** ⚠
C706	**RCE1V562MHSK**	**5600P 35V**	**[M]** ⚠
C707	**ECA1VAM101XB**	**100 35V**	**[M]**
C708	**ECBT1H103KB5**	**0.01 50V**	**[M]**
C709	**ECA1CAK330XB**	**33 16V**	**[M]**
C710	**ECBT1H103KB5**	**0.01 50V**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
C711	ECBT1H103KB5	0.01 50V	[M]
C712	ECA1HAK100XB	10 50V	[M]
C713	ECBT1H103KB5	0.01 50V	[M]
C714	ECA1EAK470XB	47 25V	[M]
C715	ECA1CAK101XB	100 16V	[M]
C721	ECQE2104KF3	0.1 250V	[M]
C722	ECQE2104KF3	0.1 250V	[M]
C741	ECQV1H104JZ3	0.1 50V	[M]
C751	ECKWRS102MBC	1000P 400V	[M] ⚠
C752	ECKR1H103ZF5	0.01 50V	[M]
C753	ECA1EAM331XB	330 25V	[M]
C754	ECBT1H103KB5	0.01 50V	[M]
C755	ECA1CAK470XB	47 16V	[M]
C757	ECA1CAK100XB	10 16V	[M]
C758	ECA1CAK101XB	100 16V	[M]
C771	ECA1HAK4R7XB	4.7 50V	[M]
C772	ECA1HAK4R7XB	4.7 50V	[M]
C773	F1D1H1040002	0.1 50V	[M]
C774	ECA0JAK101XB	100 6.3V	[M]
C775	ECA1CAK100XB	10 16V	[M]
C776	ECA1HAK010XB	1 50V	[M]
C777	ECA1CAM221XB	220 16V	[M]
C778	ECA1CAK101XB	100 16V	[M]
C779	ECA1CAK101XB	100 16V	[M]
C780	ECA1CAM471XB	470 16V	[M]
C781	ECBT1H103KB5	0.01 50V	[M]
C901	ECA0JAM102XB	1000 6.3V	[M] ⚠
C902	F1D1H1040002	0.1 50V	[M]
C903	ECBT1H103KB5	0.01 50V	[M]
C904	ECA0JAM102XB	1000 6.3V	[M] ⚠
C905	ECA1HAK010XB	1 50V	[M]
C906	ECA1HAK010XB	1 50V	[M]
C907	ECBT1H103KB5	0.01 50V	[M]
C908	ECBT1H103KB5	0.01 50V	[M]
C909	ECA1HAK220XB	22 50V	[M]
C910	ECA1HAK220XB	22 50V	[M]
C911	ECA1HAK220XB	22 50V	[M]
C912	ECA1HAK220XB	22 50V	[M]
C913	ECA1HAK100XB	10 50V	[M]
C914	ECA1HAK100XB	10 50V	[M]
C915	ECA0JAK101XB	100 6.3V	[M]
C916	ECBT1H103KB5	0.01 50V	[M]
C917	ECA1CAK100XB	10 16V	[M]
C918	F1D1H471A012	470P 50V	[M]
C919	F1D1H471A012	470P 50V	[M]
C921	F1D1H331A012	330P 50V	[M]
C922	F1D1H331A012	330P 50V	[M]
C923	F1D1H331A012	330P 50V	[M]
C924	F1D1H331A012	330P 50V	[M]
C925	F1D1H331A012	330P 50V	[M]
C926	F1D1H331A012	330P 50V	[M]
C927	F1D1H331A012	330P 50V	[M]
C928	F1D1H331A012	330P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C929	F1D1H331A012	330P 50V	[M]
C930	F1D1H331A012	330P 50V	[M]
C970	F1D1H102A012	1000P 50V	[M]
C971	ECA0JAK101XB	100 6.3V	[M]
C972	F1D1H470A006	47P 50V	[M]
C973	F1D1H470A006	47P 50V	[M]
C974	F1D1H561A012	560P 50V	[M]
C975	F1D1H331A012	330P 50V	[M]
C976	ECA1CAK100XB	10 16V	[M]
C977	ECBT1H103KB5	0.01 50V	[M]
C978	ECA0JAK101XB	100 6.3V	[M]
C991	F1D1H101A012	100P 50V	[M]
C992	F1D1H101A012	100P 50V	[M]
C993	F1D1H101A012	100P 50V	[M]
C994	F1D1H101A012	100P 50V	[M]
C1003	ECA1HAK010XB	1 50V	[M]
C1004	ECA0JAK101XB	100 6.3V	[M]
C1005	ECA0JAK101XB	100 6.3V	[M]
C1006	ECA1EAM331XB	330 25V	[M]
C1007	ECA1HAK2R2XB	2.2 50V	[M]
C1008	ECA0JAK101XB	100 6.3V	[M]
C1009	ECA0JAK101XB	100 6.3V	[M]
C1010	ECA0JAK101XB	100 6.3V	[M]
C1011	ECA0JAK101XB	100 6.3V	[M]
C1024	ECUVNC104ZFV	0.1 16V	[M]
C1025	ECUVNC104ZFV	0.1 16V	[M]
C1026	ECUVNC104ZFV	0.1 16V	[M]
C1027	ECUVNC104ZFV	0.1 16V	[M]
C1028	ECJ1VC1H101K	100P 50V	[M]
C1029	ECUVNC104ZFV	0.1 16V	[M]
C1030	ECUV1H471KBV	470P 50V	[M]
C1031	ECUV1E103KBV	0.01 25V	[M]
C1032	ECUVNC104ZFV	0.1 16V	[M]
C1033	ECUV1H220JCV	22P 50V	[M]
C1034	ECJ1VC1H101K	100P 50V	[M]
C1035	ECUV1H220JCV	22P 50V	[M]
C1036	ECJ1VC1H101K	100P 50V	[M]
C1037	ECJ1VB1H102K	1000P 50V	[M]
C1038	ECJ1VB1H102K	1000P 50V	[M]
C1039	ECJ1VC1H101K	100P 50V	[M]
C1040	ECUVNC104ZFV	0.1 16V	[M]
C1041	ECUVNC104ZFV	0.1 16V	[M]
C1042	ECJ1VB1H102K	1000P 50V	[M]
C1043	ECUVNC104ZFV	0.1 16V	[M]
C1044	ECJ1VC1H101K	100P 50V	[M]
C1045	ECJ1VC1H101K	100P 50V	[M]
C1046	ECJ1VB1H102K	1000P 50V	[M]
C1047	ECJ1VB1H102K	1000P 50V	[M]
C1048	ECUVNC104ZFV	0.1 16V	[M]
C1049	ECJ1VB1H102K	1000P 50V	[M]
C1050	ECJ1VB1H102K	1000P 50V	[M]
C1051	ECUV1H152KBV	1500P 50V	[M]
C1052	ECUV1E103KBV	0.01 25V	[M]
C1053	ECUVNC104ZFV	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1070	**ECA1EPXS470B**	**47 25V**	**[M]**
C1201	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1202	**ECUV1A224KBV**	**0.22 10V**	**[M]**
C1203	**ECA1CAK330XB**	**33 16V**	**[M]**
C1204	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1205	**ECA1CAK330XB**	**33 16V**	**[M]**
C1206	**ECJ1VB1H472K**	**4700P 50V**	**[M]**
C1207	**ECJ1VB1H272K**	**2700P 50V**	**[M]**
C1208	**ECJ1VB1H472K**	**4700P 50V**	**[M]**
C1209	**ECJ1VB1H272K**	**2700P 50V**	**[M]**
C1210	**ECA1CAK330XB**	**33 16V**	**[M]**
C1211	**ECJ1VC1H101K**	**100P 50V**	**[M]**
C1212	**ECJ1VC1H101K**	**100P 50V**	**[M]**
C1213	**ECUV1H221KBV**	**220P 50V**	**[M]**
C1214	**ECUV1H221KBV**	**220P 50V**	**[M]**
C1215	**ECA1HAK100XB**	**10 50V**	**[M]**
C1216	**ECA1HAK100XB**	**10 50V**	**[M]**
C1217	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1218	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1219	**ECA1EAK100XB**	**10 25V**	**[M]**
C1220	**ECA1EAK100XB**	**10 25V**	**[M]**
C1221	**ECUVNC104ZFV**	**0.1 16V**	**[M]**
C1222	**ECA1EAK100XB**	**10 25V**	**[M]**
C1223	**ECUVNC104ZFV**	**0.1 16V**	**[M]**
C1224	**ECQV1H104JZ3**	**0.1 50V**	**[M]**
C1231	**ECA1CAK330XB**	**33 16V**	**[M]**
C1232	**ECJ1VB1H472K**	**4700P 50V**	**[M]**
C1233	**ECJ1VB1H472K**	**4700P 50V**	**[M]**
C1234	**ECA1CAK330XB**	**33 16V**	**[M]**
C1235	**ECJ1VB1H472K**	**4700P 50V**	**[M]**
C1236	**ECA1CAK330XB**	**33 16V**	**[M]**
C1237	**ECJ1VB1H331K**	**330P 50V**	**[M]**
C1238	**ECJ1VC1H101K**	**100P 50V**	**[M]**
C1239	**ECJ1VB1H272K**	**2700P 50V**	**[M]**
C1240	**ECJ1VB1H272K**	**2700P 50V**	**[M]**
C1241	**ECJ1VC1H101K**	**100P 50V**	**[M]**
C1242	**ECJ1VC1H101K**	**100P 50V**	**[M]**
C1243	**ECJ1VB1H272K**	**2700P 50V**	**[M]**
C1244	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1245	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1246	**ECA1EAK100XB**	**10 25V**	**[M]**
C1247	**ECA1EAK100XB**	**10 25V**	**[M]**
C1250	**ECJ1VB1E223K**	**0.022 25V**	**[M]**
C1251	**ECA1CAK330XB**	**33 16V**	**[M]**
C1252	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1253	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1260	**ECA1HAK4R7XB**	**4.7 50V**	**[M]**
C1261	**ECA1HAK4R7XB**	**4.7 50V**	**[M]**
C1280	**ECUV1H221KBV**	**220P 50V**	**[M]**
C1281	**ECJ1VB1H331K**	**330P 50V**	**[M]**
C1301	**ECUV1H100JCV**	**10P 50V**	**[M]**
C1302	**ECUV1H103KBV**	**0.01 50V**	**[M]**
C1303	**ECUVNC104ZFV**	**0.1 16V**	**[M]**
C1304	**ECUV1H100JCV**	**10P 50V**	**[M]**

Ref. No.	Part No.	Part Name & Description	Remarks
C1305	ECUV1H103KBV	0.01 50V	[M]
C1306	ECUVNC104ZFV	0.1 16V	[M]
C1307	ECUV1H103KBV	0.01 50V	[M]
C1308	ECUVNC104ZFV	0.1 16V	[M]
C1309	ECUVNC104ZFV	0.1 16V	[M]
C1311	ECUVNC104ZFV	0.1 16V	[M]
C1312	ECUVNC104ZFV	0.1 16V	[M]
C1313	ECUV1H103KBV	0.01 50V	[M]
C1341	ECJ1VB1H331K	330P 50V	[M]
C1342	ECJ1VB1H331K	330P 50V	[M]
C1343	ECJ1VB1H331K	330P 50V	[M]
C1344	ECJ1VB1H331K	330P 50V	[M]
C1345	ECA1HAK4R7XB	4.7 50V	[M]
C1346	ECA1HAK4R7XB	4.7 50V	[M]
C1347	ECA1HAK4R7XB	4.7 50V	[M]
C1348	ECA1HAK4R7XB	4.7 50V	[M]
C1349	ECUV1H221KBV	220P 50V	[M]
C1350	ECUV1H221KBV	220P 50V	[M]
C1351	ECUV1H221KBV	220P 50V	[M]
C1352	ECUV1H221KBV	220P 50V	[M]
C1401	ECA1HAK4R7XB	4.7 50V	[M]
C1402	ECA1HAK4R7XB	4.7 50V	[M]
C1403	ECUV1H103KBV	0.01 50V	[M]
C1404	ECUV1H103KBV	0.01 50V	[M]
C1405	ECA1CAK330XB	33 16V	[M]
C1406	ECA1CAK330XB	33 16V	[M]
C1407	ECA1CAK330XB	33 16V	[M]
C1408	ECJ1VC1H101K	100P 50V	[M]
C1409	ECA1CAK330XB	33 16V	[M]
C1410	ECA1EAK470XB	47 25V	[M]
C1411	ECA1EAK470XB	47 25V	[M]
C1412	ECUVNC104ZFV	0.1 16V	[M]
C1413	ECUVNC104ZFV	0.1 16V	[M]
C1414	ECA1CAK330XB	33 16V	[M]
C1415	ECA1CAK330XB	33 16V	[M]
C1451	ECA1HAK4R7XB	4.7 50V	[M]
C1452	ECJ1VC1H470J	47P 50V	[M]
C1453	ECJ1VC1H470J	47P 50V	[M]
C1454	ECA1HAK4R7XB	4.7 50V	[M]
C1455	ECJ1VC1H151J	150P 50V	[M]
C1456	ECUV1H221KBV	220P 50V	[M]
C1457	ECA1CAK330XB	33 16V	[M]
C1458	ECA1CAK330XB	33 16V	[M]
C1459	ECJ1VC1H151J	150P 50V	[M]
C1460	ECUV1H221KBV	220P 50V	[M]
C1480	ECA1HAK4R7XB	4.7 50V	[M]
C1481	ECA1HAK4R7XB	4.7 50V	[M]
C1483	ECA1HAK4R7XB	4.7 50V	[M]
C1484	ECA1HAK4R7XB	4.7 50V	[M]
C1521	ECEA1CKN100B	10 16V	[M]
C1522	ECEA1CKN100B	10 16V	[M]
C1523	ECUV1H391JCV	390P 50V	[M]
C1524	ECA1CAK100XB	10 16V	[M]
C1525	ECJ1VC1H151J	150P 50V	[M]

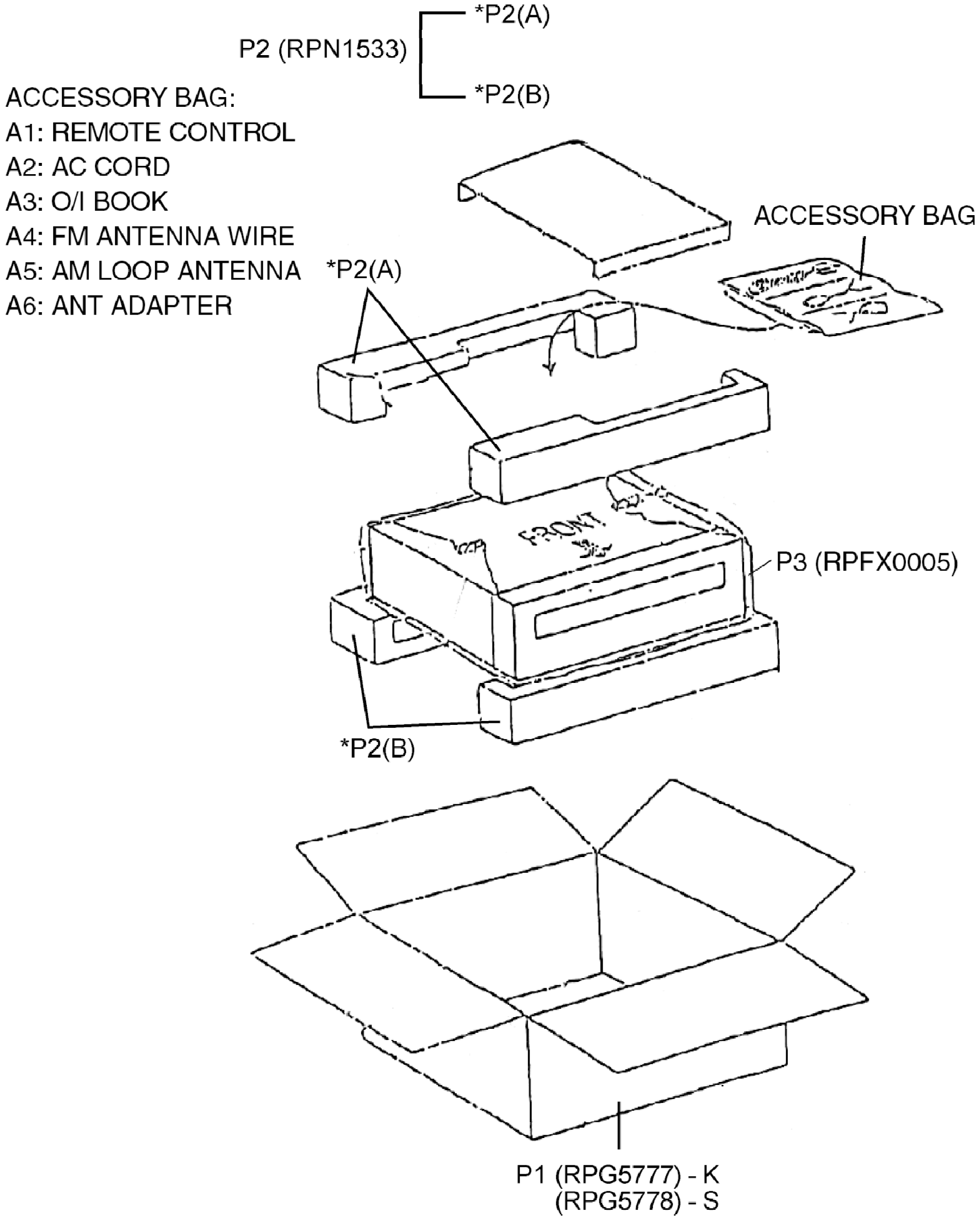
Ref. No.	Part No.	Part Name & Description	Remarks
C1526	ECA1CAK100XB	10 16V	[M]
C1527	ECA1CAK100XB	10 16V	[M]
C1528	ECUV1H103KBV	0.01 50V	[M]
C1529	ECEA1CKN100B	10 16V	[M]
C1530	ECEA1CKN100B	10 16V	[M]
C1531	ECUV1H391JCV	390P 50V	[M]
C1532	ECA1CAK100XB	10 16V	[M]
C1533	ECJ1VC1H151J	150P 50V	[M]
C1681	ECBT1H103KB5	0.01 50V	[M]
C1682	ECBT1H103KB5	0.01 50V	[M]
C1683	ECBT1C332KR5	3300P 16V	[M]
C1684	ECBT1C332KR5	3300P 16V	[M]
C1685	ECBT1H103KB5	0.01 50V	[M]
C1701	ECA1CAK101XB	100 16V	[M]
C1702	ECA1AM332E	3300 10V	[M] ⚠
C1703	ECUV1H103KBV	0.01 50V	[M]
C1704	ECA1CAK100XB	10 16V	[M]
C1705	ECA1CAK220XB	22 16V	[M]
C1706	ECUV1H391JCV	390P 50V	[M]
C1801	ECUVNC104ZFV	0.1 16V	[M]
C1802	ECUVNC104ZFV	0.1 16V	[M]
C1909	ECJ1VB1H472K	4700P 50V	[M]
C1910	ECUVNC104ZFV	0.1 16V	[M]
C1911	ECJ1VB1H102K	1000P 50V	[M]

15.3. Packing Materials & Accessories Parts List

Ref. No.	Part No.	Part Name & Description	Remarks
		PACKING MATERIALS	
P1	RPG5777	PACKING CASE	[M]K
P1	RPG5778	PACKING CASE	[M]S
P2	RPN1533	POLYFOAM	[M]
P3	RPFX0005	MIRAMAT BAG	[M]
		ACCESSORIES	
A1	EUR7702210	REMOTE CONTROL	[M]
A1-1	UR64EC2337D	R/C BATTERY COVER	[M]
A2	RJA0019-2K	AC CORD (SF)	[M]EG E ⚠
A2	VJA0733	AC CORD (SF)	[M]EB ⚠
A3	RQT6195-R	O/I BOOK (SP/ RU/ PO/ CZ)	[M]E
A3	RQT6196-B	O/I BOOK (EN)	[M]EB E
A3	RQT6197-D	O/I BOOK (FR/ DU/ DA/ SW)	[M]EG
A3	RQT6203-R	O/I FOR REMOTE CONTR (SP/ RU)	[M]E
A3	RQT6204-B	O/I FOR REMOTE CONTR (EN)	[M]EB E
A3	RQT6206-D	O/I FOR REMOTE CONTR (GE/ IT)	[M]EG
A3	RQT6475-R	O/I FOR REMOTE CONTR (PO/ CZ)	[M]E
A3	RQT6476-D	O/I FOR REMOTE CONTR (FR/ DU)	[M]EG
A3	RQT6477-D	O/I FOR REMOTE CONTR (DA/SW)	[M]EG
A4	RSA0007-L	FM ANTENNA WIRE	[M]
A5	RSA0012	AM LOOP ANTENNA	[M]

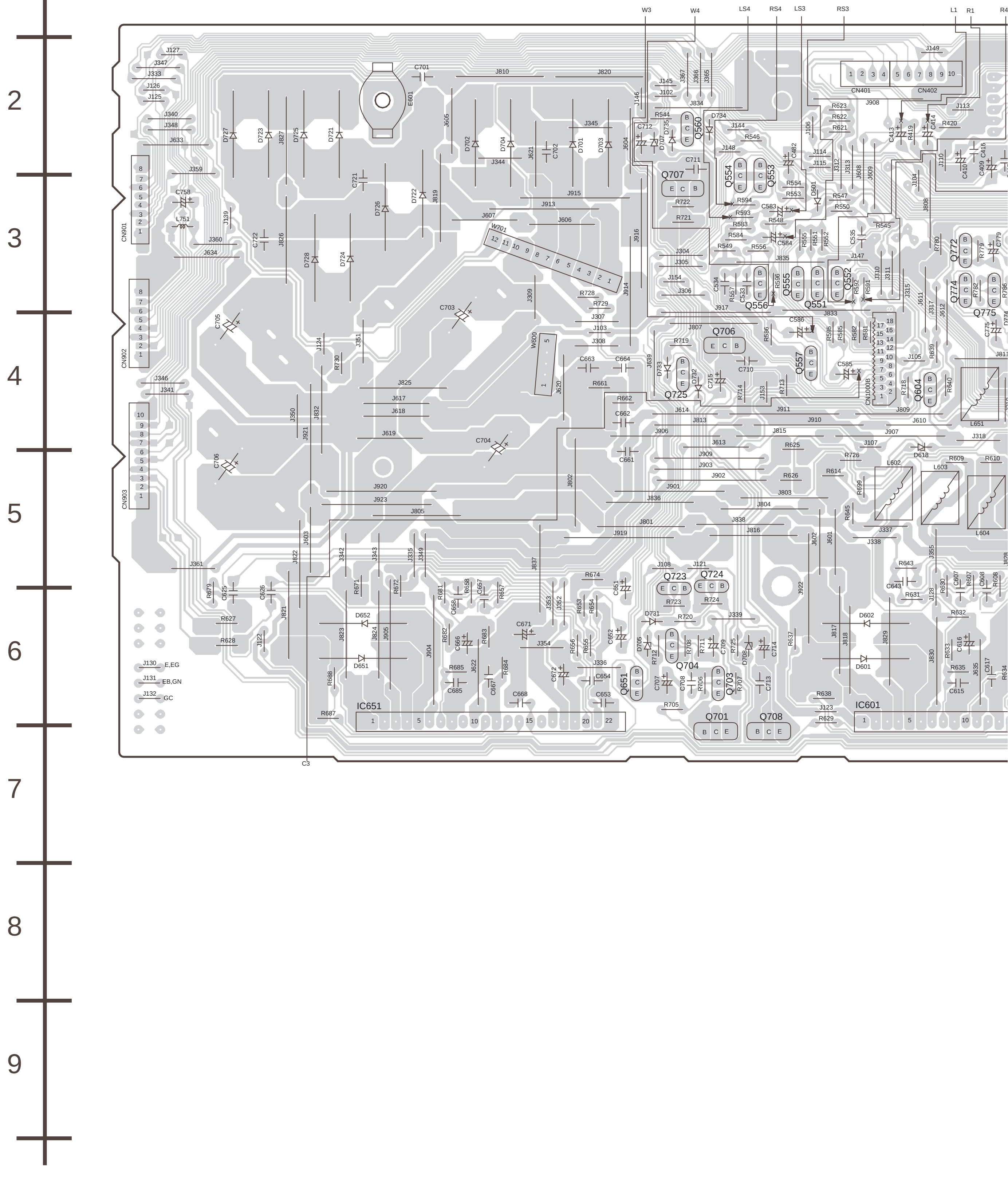
Ref. No.	Part No.	Part Name & Description	Remarks
A6	K1YZ02000013	ANT ADAPTER	[M]EB

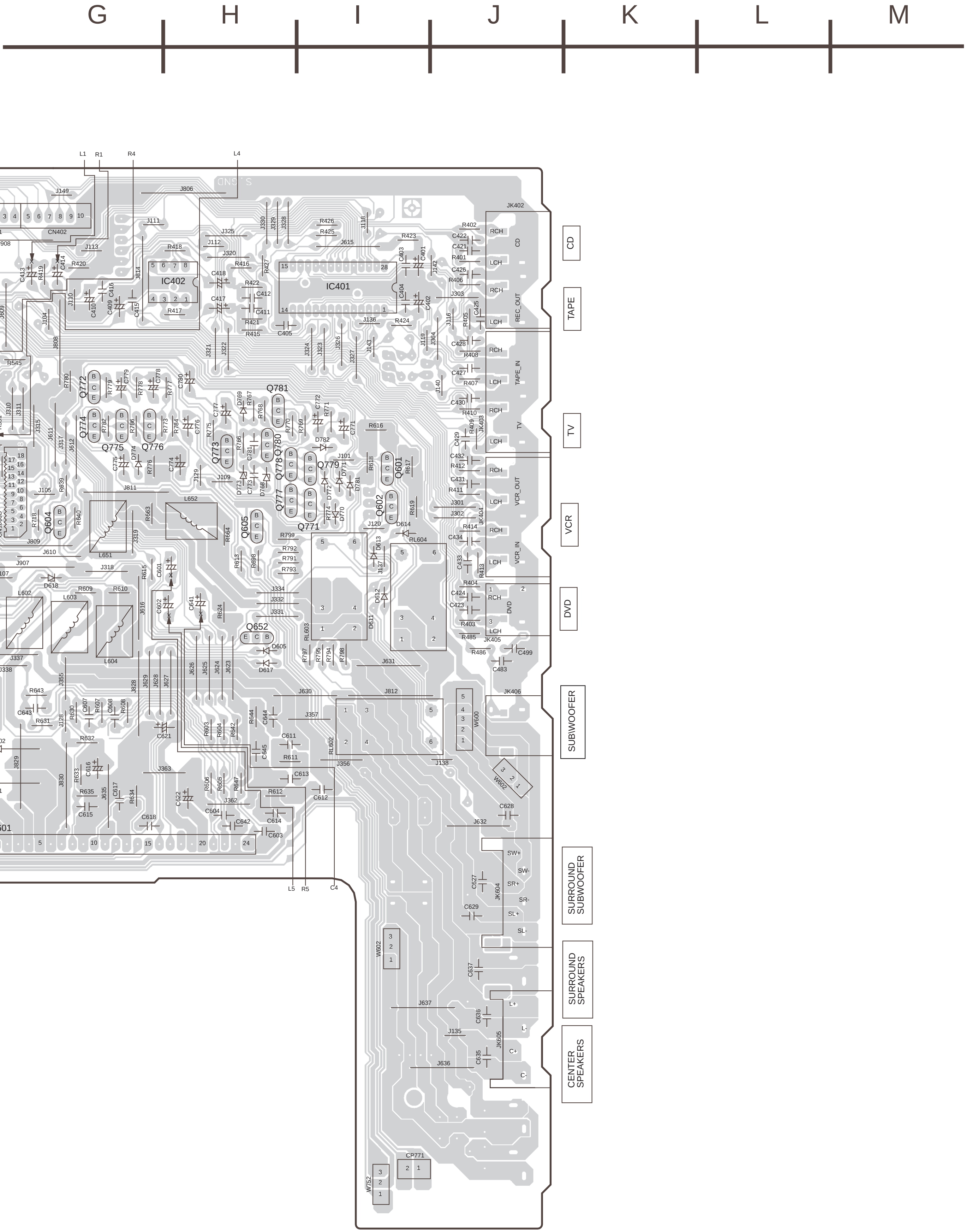
15.4. Packaging


P2 (RPN1533)
*P2(A)
*P2(B)
ACCESSORY BAG:
A1: REMOTE CONTROL
A2: AC CORD
A3: O/I BOOK
A4: FM ANTENNA WIRE
A5: AM LOOP ANTENNA
A6: ANT ADAPTER
ACCESSORY BAG
*P2(A)
FRONT
P3 (RPFX0005)
*P2(B)
P1 (RPG5777) - K
(RPG5778) - S

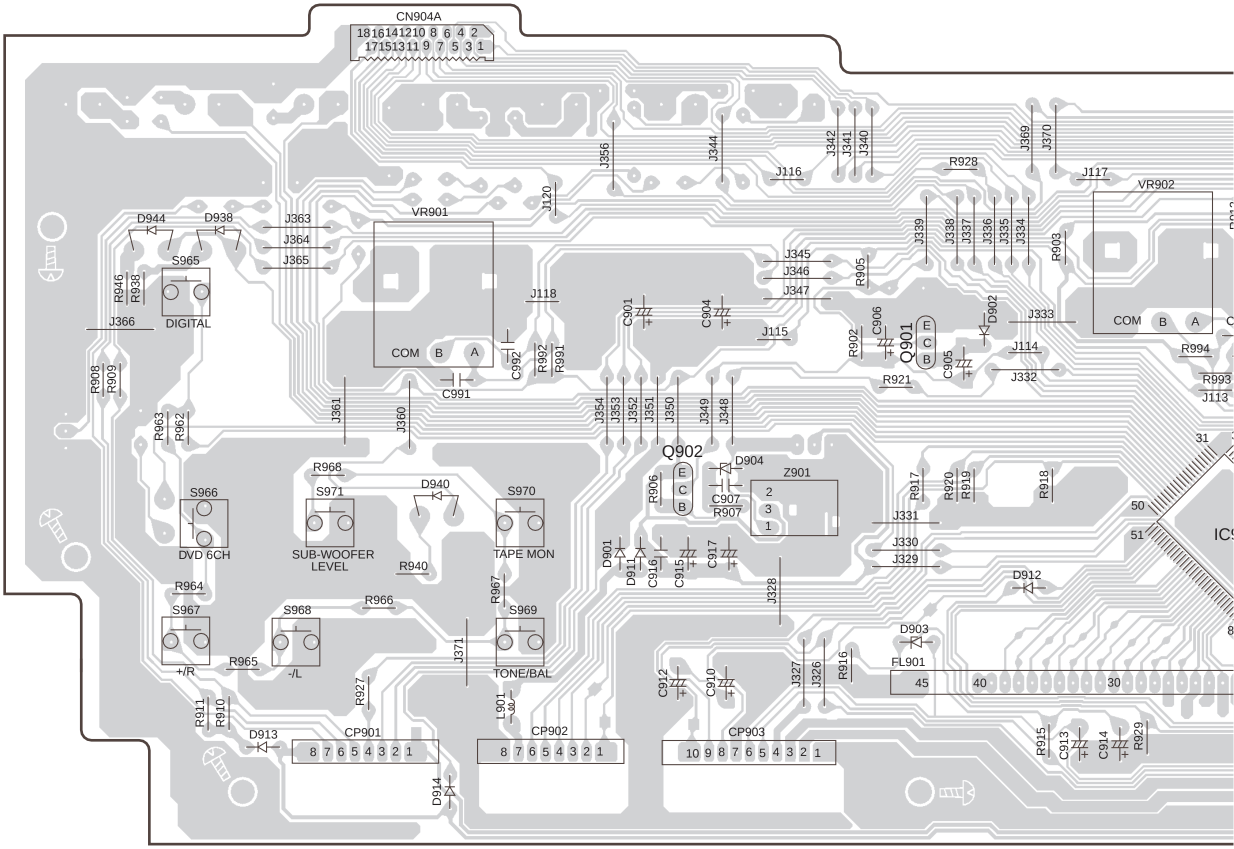
/ Printed in Singapore / M020400001PRT/C/J/E/N/S

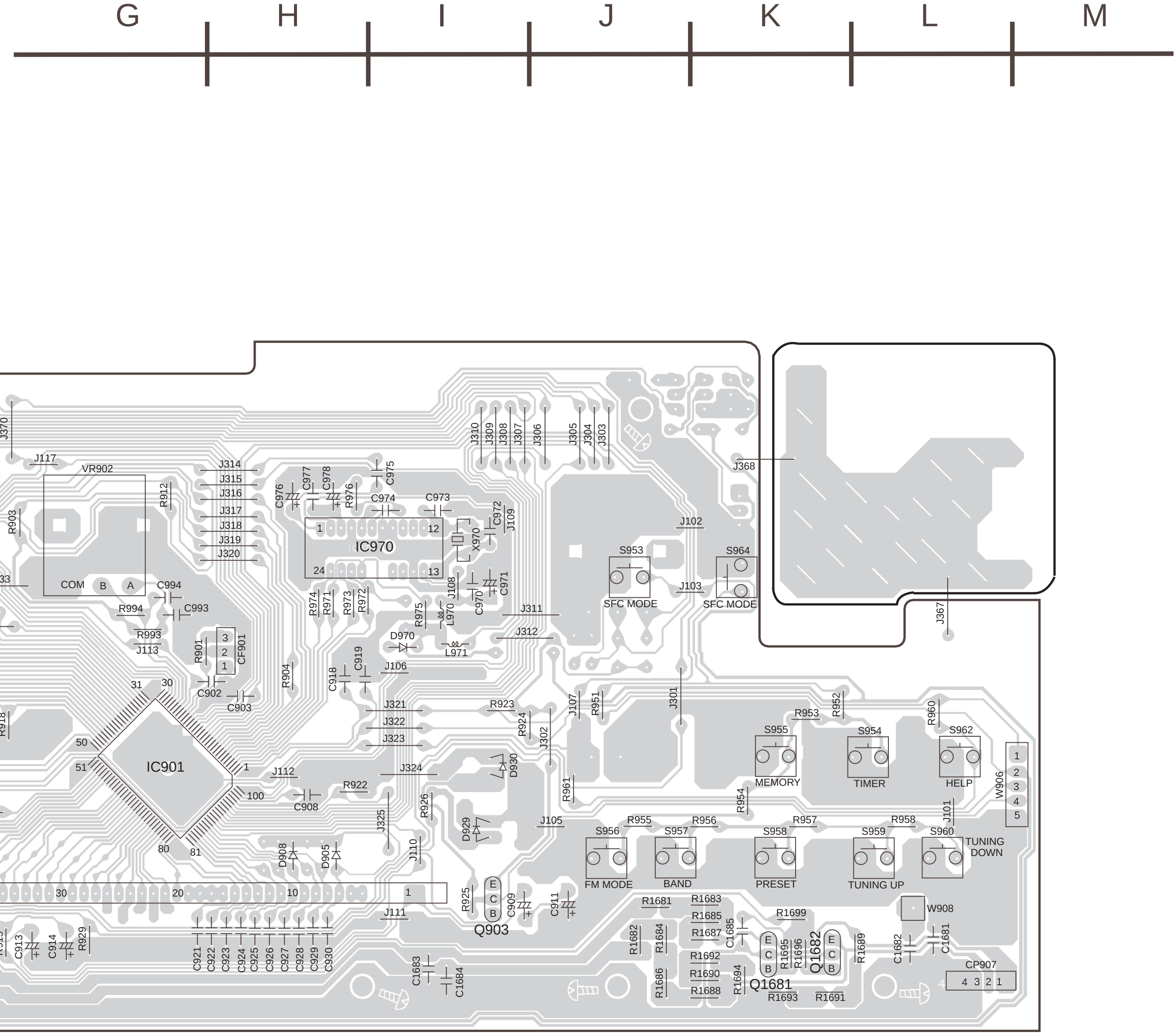
B MAIN P.C.B. (REP3253C-M...E/EG)
(REP3253D-M...EB)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
W3
W4
LS4
RS4
LS3
RS3
L1
R1
CN901
CN902
CN903
CN401
CN402
CN1000B
W701
W600
E601
IC651
IC601
Q707
Q706
Q725
Q723
Q724
Q704
Q703
Q701
Q708
Q651
Q560
Q554
Q553
Q555
Q556
Q551
Q552
Q557
Q604
Q772
Q774
Q775
L751
L651
L603
L604
D601
D602
D651
D652
D618
C701
C703
C704
C705
C706
C758
J130 E,EG
J131 EB,GN
J132 GC
C3

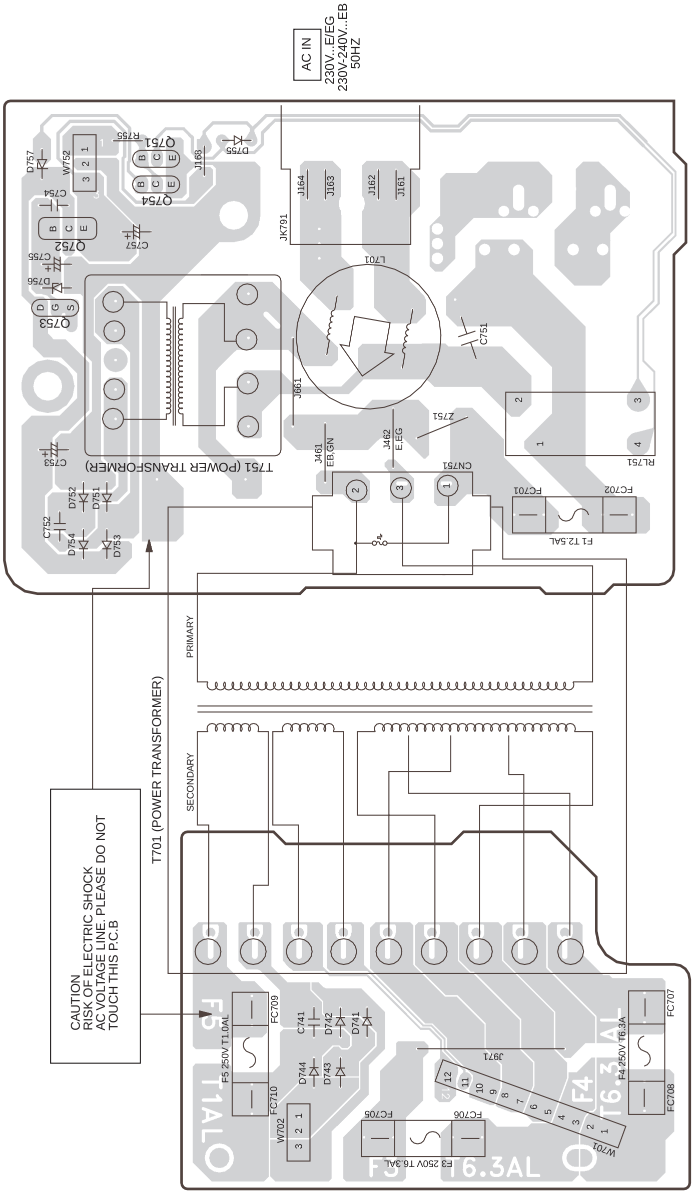
G
H
I
J
K
L
M
L1
R1
R4
L4
L5
R5
C4
CN402
IC402
IC401
JK402
RCH
LCH
CD
REC_OUT
TAPE_IN
TV
JK403
VCR_OUT
VCR_IN
JK404
DVD
JK405
JK406
W600
W602
JK604
SW+
SW-
SR+
SR-
SL+
SL-
JK605
L+
L-
C+
C-
CP771
W752
Q772
Q774
Q775
Q776
Q773
Q781
Q780
Q778
Q777
Q779
Q771
Q601
Q602
Q604
Q605
Q652
L651
L652
L602
L603
L604
RL602
RL603
RL604
CN1000B
C601
CD
TAPE
TV
VCR
DVD
SUBWOOFER
SURROUND SUBWOOFER
SURROUND SPEAKERS
CENTER SPEAKERS

C PANEL P.C.B. (REP3254B-S)


A
B
C
D
E
F
G
1
2
3
4
5
6
7
8
9
CN904A
18 16 14 12 10 8 6 4 2
17 15 13 11 9 7 5 3 1
J356
J344
J342
J341
J340
J369
J370
J116
R928
J117
VR902
J120
D944
D938
J363
J364
J365
VR901
J339
J338
J337
J336
J335
J334
R903
S965
R946
R938
DIGITAL
J366
J118
J345
J346
J347
R905
C901
C904
C906
D902
J333
COM
B
A
J115
R902
Q901
E
C
B
C905
J114
R994
J332
R921
R993
J113
C992
R992
R991
C991
R908
R909
R963
R962
J361
J360
J354
J353
J352
J351
J350
J349
J348
Q902
D904
Z901
2
3
1
R906
C907
R907
R968
S971
D940
S970
S966
DVD 6CH
SUB-WOOFER LEVEL
TAPE MON
R940
R917
R920
R919
R918
31
50
51
IC9
J331
J330
J329
D901
D911
C916
C915
C917
J328
D912
R964
S967
S968
R966
R967
S969
+/R
R965
-/L
J371
TONE/BAL
D903
FL901
45
40
30
R916
J327
J326
C912
C910
R927
L901
R911
R910
D913
CP901
8 7 6 5 4 3 2 1
CP902
8 7 6 5 4 3 2 1
CP903
10 9 8 7 6 5 4 3 2 1
R915
C913
C914
R929
D914


G
H
I
J
K
L
M
J370
J117
VR902
R903
R912
COM
B
A
C994
C993
R994
R993
J113
R901
CF901
3
2
1
C902
C903
J314
J315
J316
J317
J318
J319
J320
C976
C977
C978
R976
C974
C975
C973
IC970
1
12
24
13
X970
C972
J109
R974
R971
R973
R972
R975
L970
J108
C970
C971
D970
L971
J311
J312
J310
J309
J308
J307
J306
J305
J304
J303
J368
J102
S953
SFC MODE
J103
S964
SFC MODE
J367
R918
IC901
31
30
50
51
1
100
80
81
R904
C918
C919
J106
J321
J322
J323
J324
J112
R922
C908
J325
R926
D930
D929
D908
D905
J110
R923
R924
J302
J107
R951
J301
R961
J105
R953
R952
R960
S955
MEMORY
S954
TIMER
S962
HELP
W906
1
2
3
4
5
R954
R955
R956
R957
R958
J101
S956
FM MODE
S957
BAND
S958
PRESET
S959
TUNING UP
S960
TUNING DOWN
30
20
10
1
J111
R925
E
C
B
Q903
C909
C911
C913
C914
R929
C921
C922
C923
C924
C925
C926
C927
C928
C929
C930
C1683
C1684
R1681
R1683
R1685
R1687
R1682
R1684
C1685
R1699
R1686
R1692
R1690
R1688
R1694
Q1681
R1695
R1696
Q1682
R1689
R1693
R1691
W908
C1682
C1681
CP907
4 3 2 1

G TRANSFORMER P.C.B. (REP3253C-M...E/EG)
(REP3253D-M...EB)

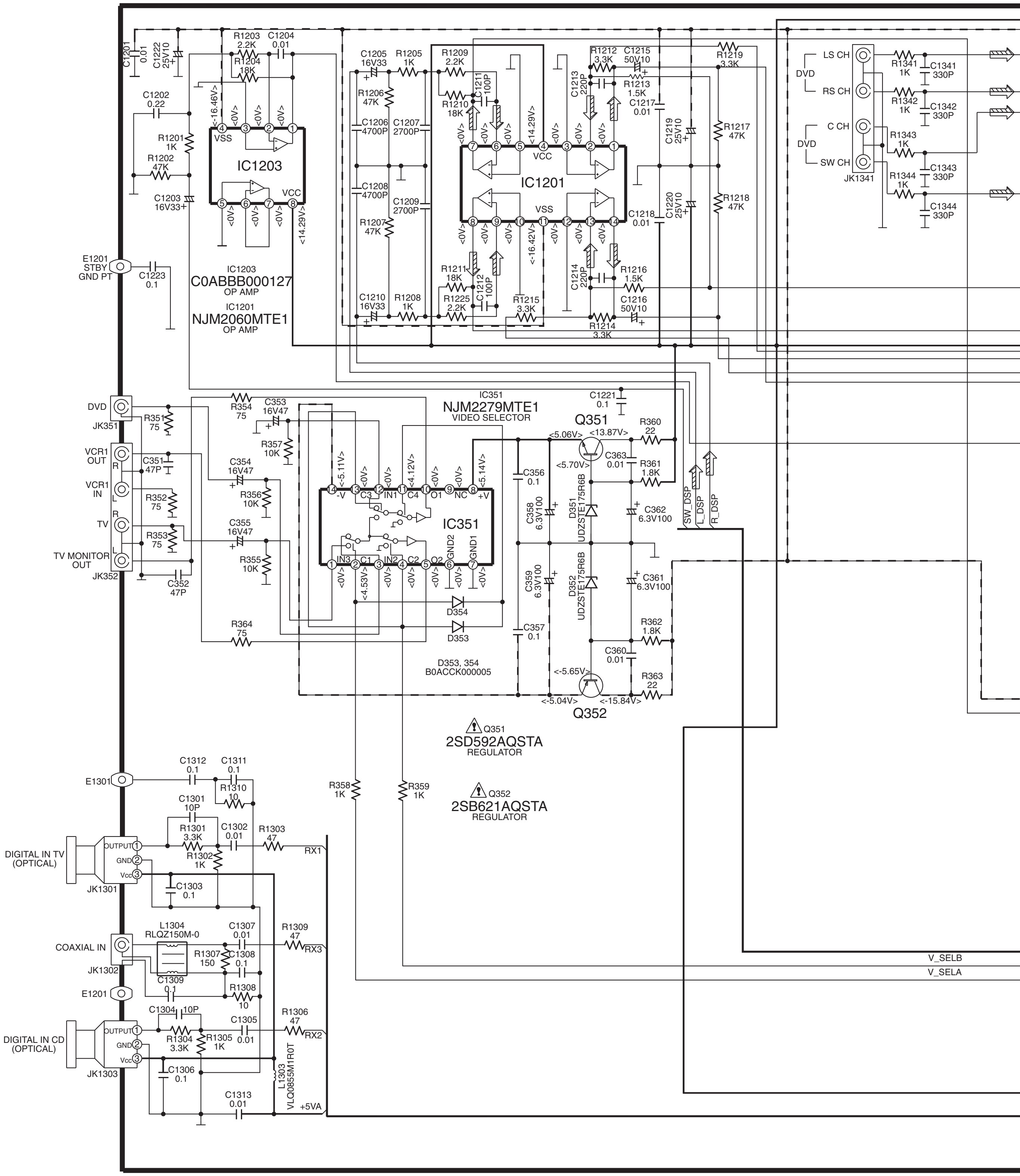

AC IN
230V...E/EG
230V-240V...EB
50HZ
D757
W752
R755
Q751
Q754
J168
D755
C754
Q752
C757
C755
D756
Q753
B C E
D G S
JK791
J164
J163
J162
J161
L701
C751
J661
Z751
RL751
T751 (POWER TRANSFORMER)
J461
EB,GN
J462
E,EG
CN751
C753
D752
D751
C752
D754
D753
FC701
FC702
F1 T2.5AL
PRIMARY
SECONDARY
T701 (POWER TRANSFORMER)
CAUTION
RISK OF ELECTRIC SHOCK
AC VOLTAGE LINE. PLEASE DO NOT
TOUCH THIS P.C.B
FC709
F5 250V T1.0AL
FC710
C741
D742
D741
D744
D743
W702
J971
FC707
F4 250V T6.3A
FC708
FC705
FC706
F3 250V T6.3AL
W701
F5 T1AL
F4 T6.3AL
F3 T6.3AL

H SUB-TRANSFORMER P.C.B. (REP3253C-M...E/EG)
(REP3253D-M...EB)

SCHEMATIC DIAGRAM - 1

—— : +B SIGNAL LINE　　- - : -B SIGNAL LINE　　⇨ : MAIN SIGNAL LINE

A DIGITAL CIRCUIT

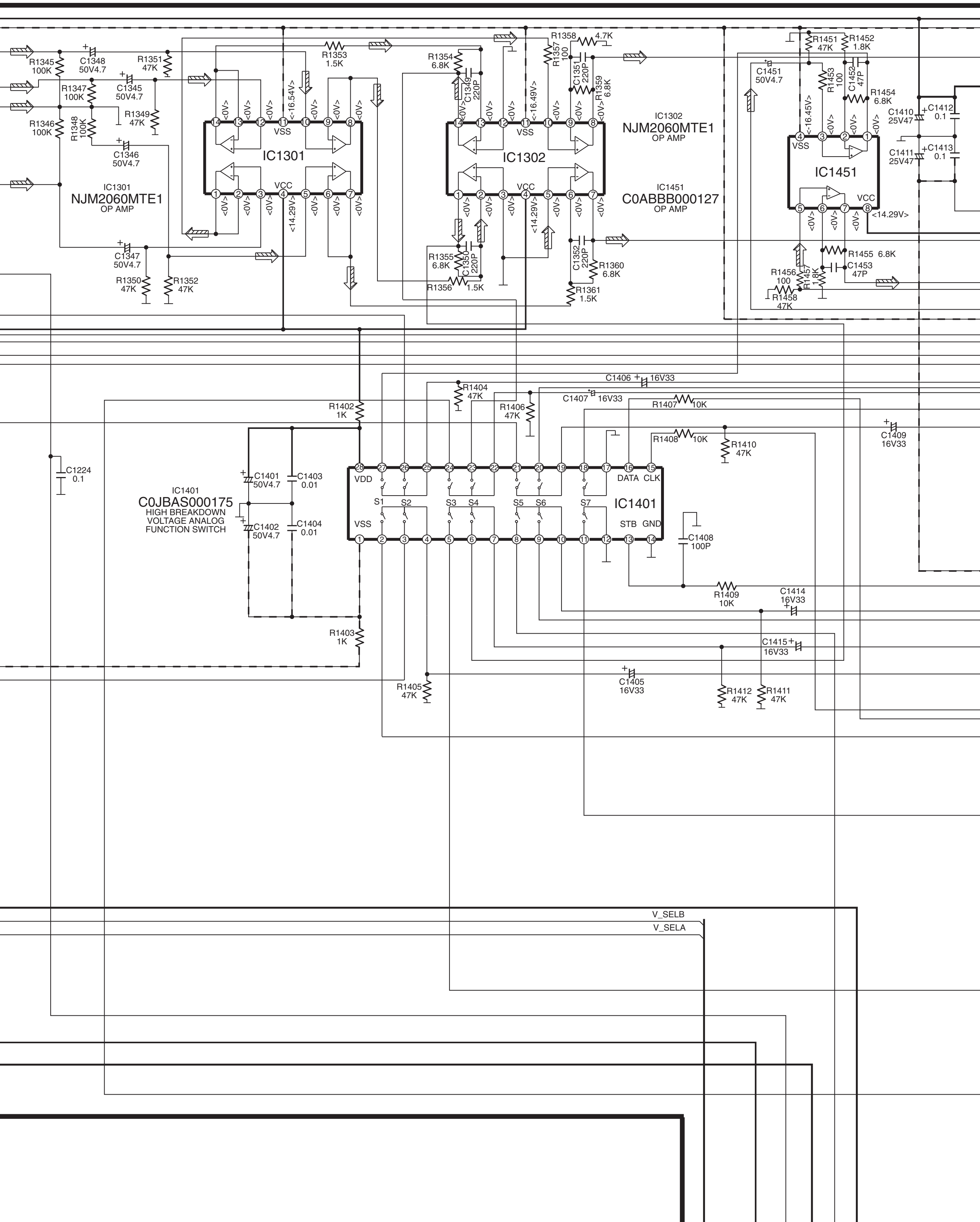


C1201 0.01
C1222 25V10
R1203 2.2K
C1204 0.01
R1204 18K
C1202 0.22
R1201 1K
R1202 47K
C1203 16V33
<-16.46V>
VSS
IC1203
VCC
<14.29V>
<0V>
E1201 STBY GND PT
C1223 0.1
IC1203
C0ABBB000127
OP AMP
IC1201
NJM2060MTE1
OP AMP
C1205 16V33
R1205 1K
R1206 47K
C1206 4700P
C1207 2700P
C1208 4700P
C1209 2700P
R1207 47K
C1210 16V33
R1208 1K
R1209 2.2K
R1210 18K
C1211 100P
R1211 18K
C1212 100P
R1225 2.2K
R1215 3.3K
IC1201
VCC
VSS
<14.29V>
<-16.42V>
R1212 3.3K
C1215 50V10
R1213 1.5K
C1213 220P
C1217 0.01
C1214 220P
R1216 1.5K
C1216 50V10
R1214 3.3K
C1218 0.01
C1219 25V10
C1220 25V10
R1219 3.3K
R1217 47K
R1218 47K
DVD
LS CH
RS CH
DVD
C CH
SW CH
JK1341
R1341 1K
C1341 330P
R1342 1K
C1342 330P
R1343 1K
C1343 330P
R1344 1K
C1344 330P
DVD
JK351
R351 75
VCR1 OUT
C351 47P
VCR1 IN
R352 75
TV
R353 75
TV MONITOR OUT
JK352
C352 47P
R354 75
C353 16V47
R357 10K
C354 16V47
R356 10K
C355 16V47
R355 10K
R364 75
IC351
NJM2279MTE1
VIDEO SELECTOR
IC351
-V C3 IN1 C4 O1 NC +V
IN3 C1 IN2 C2 O2 GND2 GND1
<-5.11V>
<4.12V>
<5.14V>
<4.53V>
D354
D353
D353, 354
B0ACCK000005
C1221 0.1
Q351
<5.06V>
<13.87V>
<5.70V>
R360 22
C363 0.01
R361 1.8K
C356 0.1
C358 6.3V100
D351 UDZSTE175R6B
C362 6.3V100
SW_DSP
L_DSP
R_DSP
C359 6.3V100
D352 UDZSTE175R6B
C361 6.3V100
C357 0.1
R362 1.8K
C360 0.01
<-5.65V>
R363 22
<-5.04V>
<-15.84V>
Q352
⚠ Q351
2SD592AQSTA
REGULATOR
⚠ Q352
2SB621AQSTA
REGULATOR
R358 1K
R359 1K
E1301
C1312 0.1
C1311 0.1
R1310 10
C1301 10P
R1301 3.3K
C1302 0.01
R1303 47
R1302 1K
RX1
DIGITAL IN TV (OPTICAL)
OUTPUT
GND
Vcc
JK1301
C1303 0.1
COAXIAL IN
JK1302
L1304
RLQZ150M-0
C1307 0.01
R1309 47
RX3
R1307 150
C1308 0.1
C1309 0.1
R1308 10
E1201
C1304 10P
C1305 0.01
R1306 47
RX2
R1304 3.3K
R1305 1K
DIGITAL IN CD (OPTICAL)
JK1303
C1306 0.1
L1303 VLQ0855M1R0T
C1313 0.01
+5VA
V_SELB
V_SELA

SCHEMATIC DIAGRAM - 2

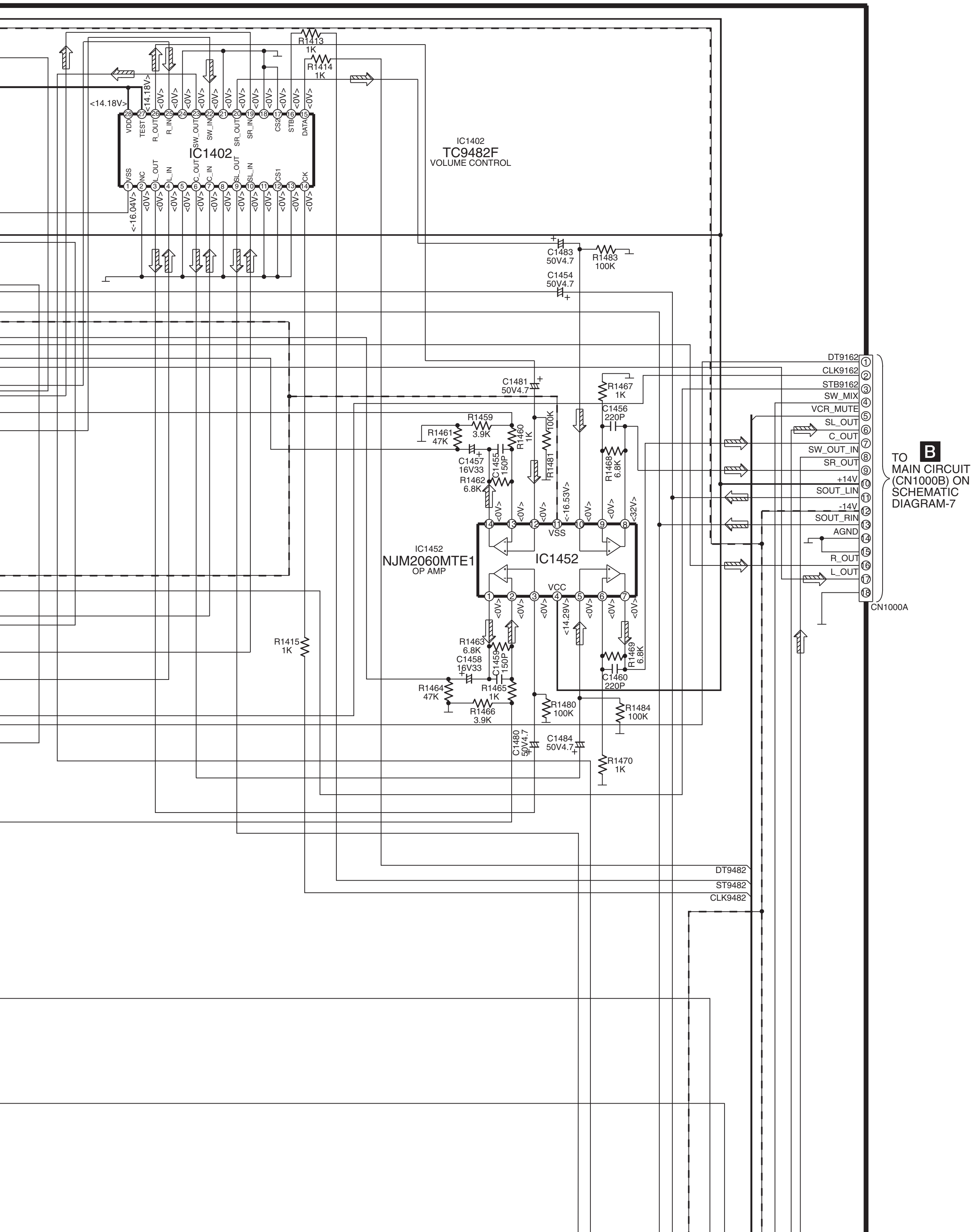
— : +B SIGNAL LINE   - - : -B SIGNAL LINE   ⇨ : MAIN SIGNAL LINE

A DIGITAL CIRCUIT


R1345 100K
C1348 50V4.7
R1351 47K
R1353 1.5K
R1347 100K
C1345 50V4.7
R1349 47K
R1346 100K
R1348 100K
C1346 50V4.7
IC1301
NJM2060MTE1
OP AMP
IC1301
VSS
VCC
<-16.54V>
<14.29V>
<0V>
C1347 50V4.7
R1350 47K
R1352 47K
R1354 6.8K
C1349 220P
R1358 4.7K
R1357 100
C1351 220P
R1359 6.8K
IC1302
<-16.49V>
IC1302
NJM2060MTE1
OP AMP
IC1451
C0ABBB000127
OP AMP
R1355 6.8K
C1350 220P
R1356 1.5K
C1352 220P
R1360 6.8K
R1361 1.5K
R1451 47K
R1452 1.8K
C1451 50V4.7
R1453 100
C1452 47P
R1454 6.8K
<-16.45V>
C1410 25V47
C1412 0.1
C1411 25V47
C1413 0.1
IC1451
<14.29V>
R1455 6.8K
C1453 47P
R1456 100
R1457 1.8K
R1458 47K
C1406 16V33
R1404 47K
C1407 16V33
R1406 47K
R1407 10K
R1402 1K
R1408 10K
R1410 47K
C1409 16V33
C1224 0.1
IC1401
C0JBAS000175
HIGH BREAKDOWN
VOLTAGE ANALOG
FUNCTION SWITCH
C1401 50V4.7
C1403 0.01
C1402 50V4.7
C1404 0.01
VDD
VSS
DATA
CLK
STB
GND
S1
S2
S3
S4
S5
S6
S7
IC1401
C1408 100P
R1409 10K
C1414 16V33
R1403 1K
C1415 16V33
R1405 47K
C1405 16V33
R1412 47K
R1411 47K
V_SELB
V_SELA

—— : +B SIGNAL LINE - - : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

A DIGITAL CIRCUIT

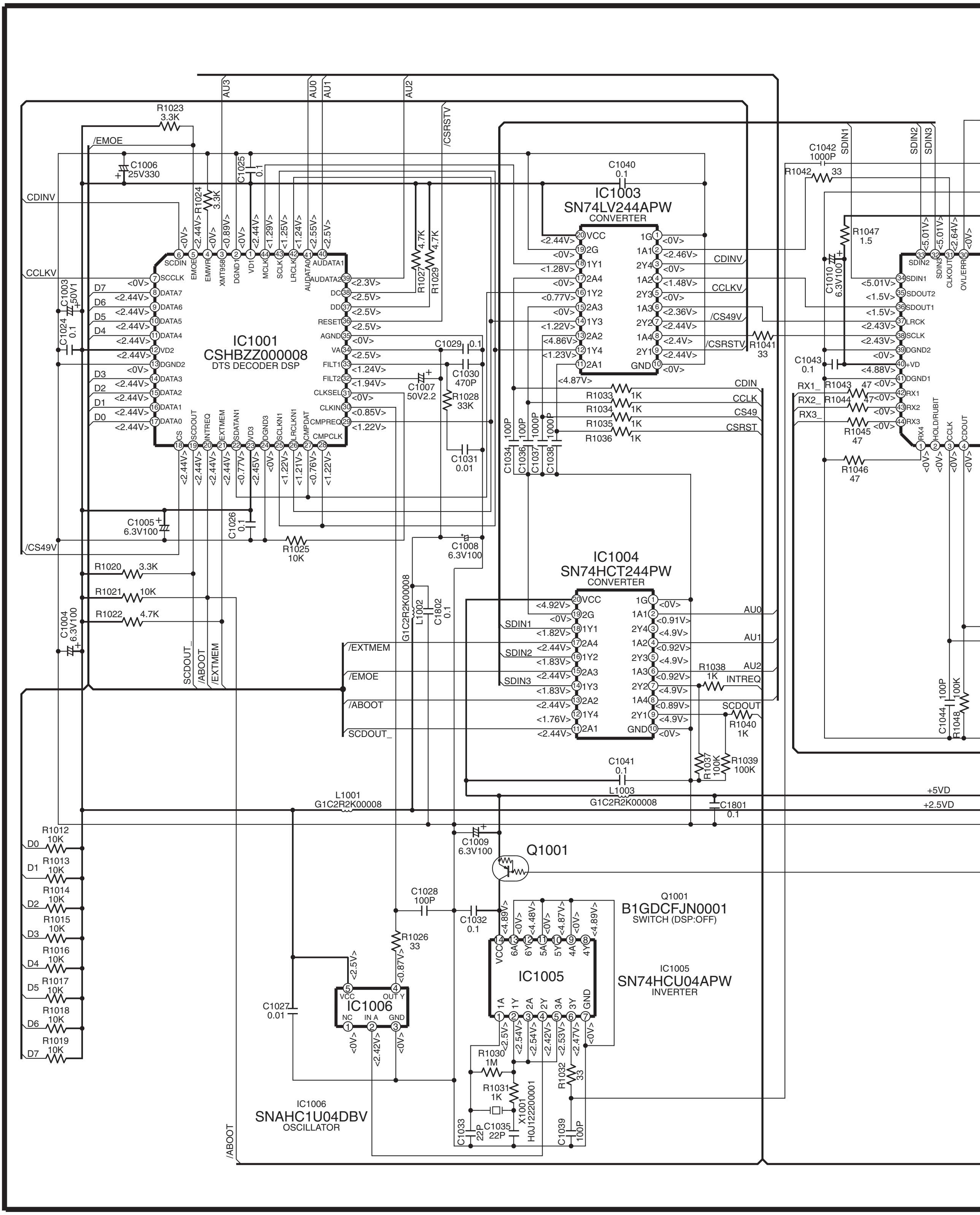


IC1402
TC9482F
VOLUME CONTROL
IC1402
VDD
TEST
R_OUT
R_IN
SW_OUT
SW_IN
SR_OUT
SR_IN
CS2
STB
DATA
VSS
NC
L_OUT
L_IN
C_OUT
C_IN
SL_OUT
SL_IN
CS1
CK
<14.18V>
<-16.04V>
<0V>
R1413
1K
R1414
1K
C1483
50V4.7
R1483
100K
C1454
50V4.7
C1481
50V4.7
R1467
1K
C1456
220P
R1459
3.9K
R1461
47K
R1460
1K
R1481
100K
C1457
16V33
C1455
150P
R1462
6.8K
R1468
6.8K
<-16.53V>
<32V>
IC1452
NJM2060MTE1
OP AMP
IC1452
VSS
VCC
<14.29V>
R1463
6.8K
C1458
16V33
C1459
150P
R1469
6.8K
C1460
220P
R1464
47K
R1465
1K
R1466
3.9K
R1480
100K
R1484
100K
C1480
50V4.7
C1484
50V4.7
R1470
1K
R1415
1K
DT9162 ①
CLK9162 ②
STB9162 ③
SW_MIX ④
VCR_MUTE ⑤
SL_OUT ⑥
C_OUT ⑦
SW_OUT_IN ⑧
SR_OUT ⑨
+14V ⑩
SOUT_LIN ⑪
-14V ⑫
SOUT_RIN ⑬
AGND ⑭
R_OUT ⑮
L_OUT ⑯
⑰
⑱
CN1000A
TO B MAIN CIRCUIT (CN1000B) ON SCHEMATIC DIAGRAM-7
DT9482
ST9482
CLK9482

SCHEMATIC DIAGRAM - 4

—— : +B SIGNAL LINE

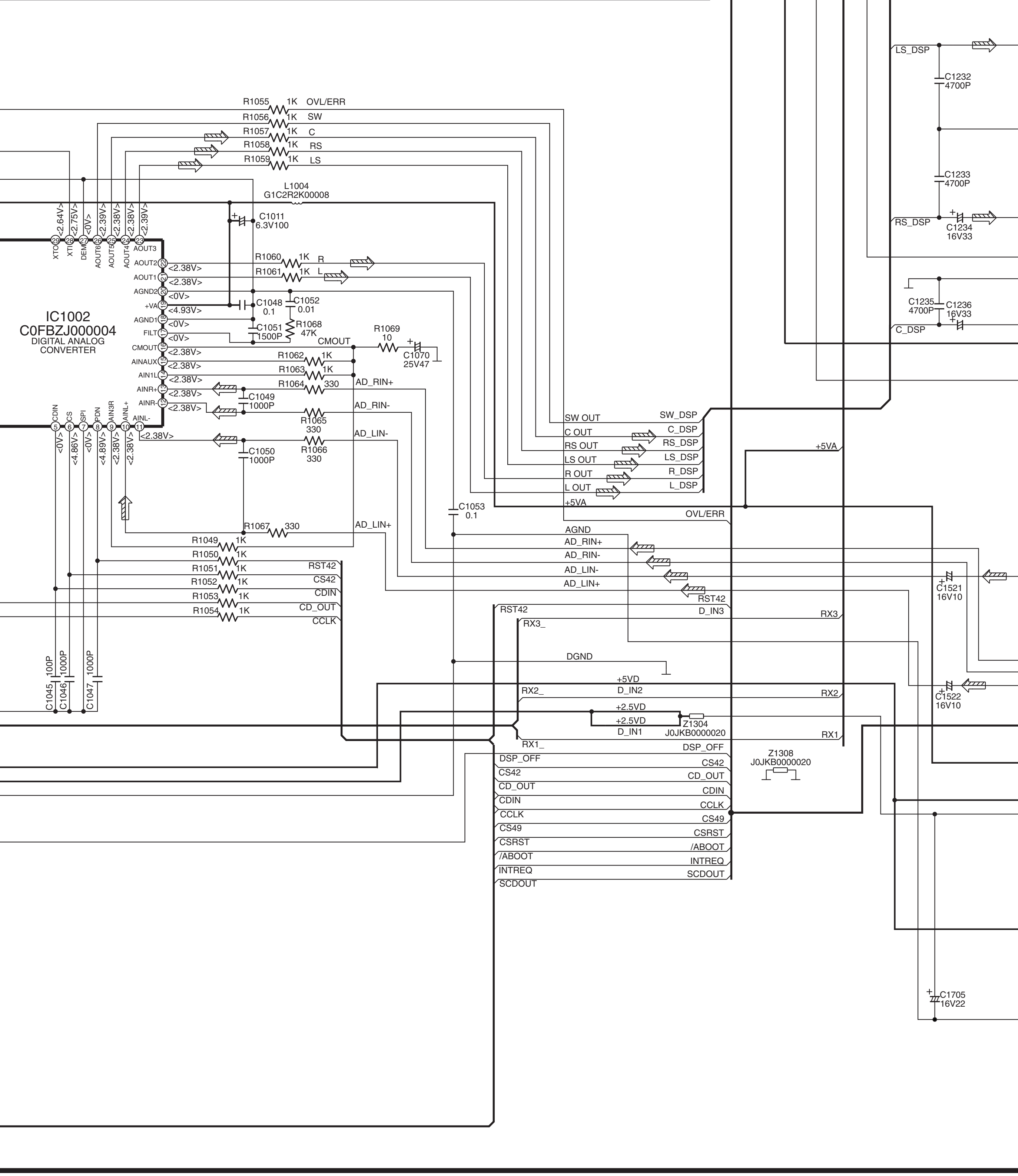
A DIGITAL CIRCUIT


IC1001
CSHBZZ000008
DTS DECODER DSP
IC1003
SN74LV244APW
CONVERTER
IC1004
SN74HCT244PW
CONVERTER
IC1005
SN74HCU04APW
INVERTER
IC1006
SNAHC1U04DBV
OSCILLATOR
Q1001
B1GDCFJN0001
SWITCH (DSP:OFF)
X1001
H0J122200001
L1001
G1C2R2K00008
L1002
G1C2R2K00008
L1003
G1C2R2K00008
+5VD
+2.5VD
AU0
AU1
AU2
AU3
/CSRSTV
/EMOE
CDINV
CCLKV
/CS49V
/CSRSTV
CDIN
CCLK
CS49
CSRST
SDIN1
SDIN2
SDIN3
INTREQ
SCDOUT
/EXTMEM
/EMOE
/ABOOT
SCDOUT_
D0
D1
D2
D3
D4
D5
D6
D7
RX1_
RX2_
RX3_
R1012 10K
R1013 10K
R1014 10K
R1015 10K
R1016 10K
R1017 10K
R1018 10K
R1019 10K
R1020 3.3K
R1021 10K
R1022 4.7K
R1023 3.3K
R1024 3.3K
R1025 10K
R1026 33
R1027 4.7K
R1029 4.7K
R1028 33K
R1030 1M
R1031 1K
R1032 33
R1033 1K
R1034 1K
R1035 1K
R1036 1K
R1037 100K
R1038 1K
R1039 100K
R1040 1K
R1041 33
R1042 33
R1043 47
R1044 47
R1045 47
R1046 47
R1047 1.5
R1048 100K
C1003 50V1
C1004 6.3V100
C1005 6.3V100
C1006 25V330
C1007 50V2.2
C1008 6.3V100
C1009 6.3V100
C1010 6.3V100
C1024 0.1
C1025 0.1
C1026 0.1
C1027 0.01
C1028 100P
C1029 0.1
C1030 470P
C1031 0.01
C1032 0.1
C1033 22P
C1034 100P
C1035 22P
C1036 100P
C1037 1000P
C1038 1000P
C1039 100P
C1040 0.1
C1041 0.1
C1042 1000P
C1043 0.1
C1044 100P
C1801 0.1
C1802 0.1

SCHEMATIC DIAGRAM - 5

— : +B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

A DIGITAL CIRCUIT

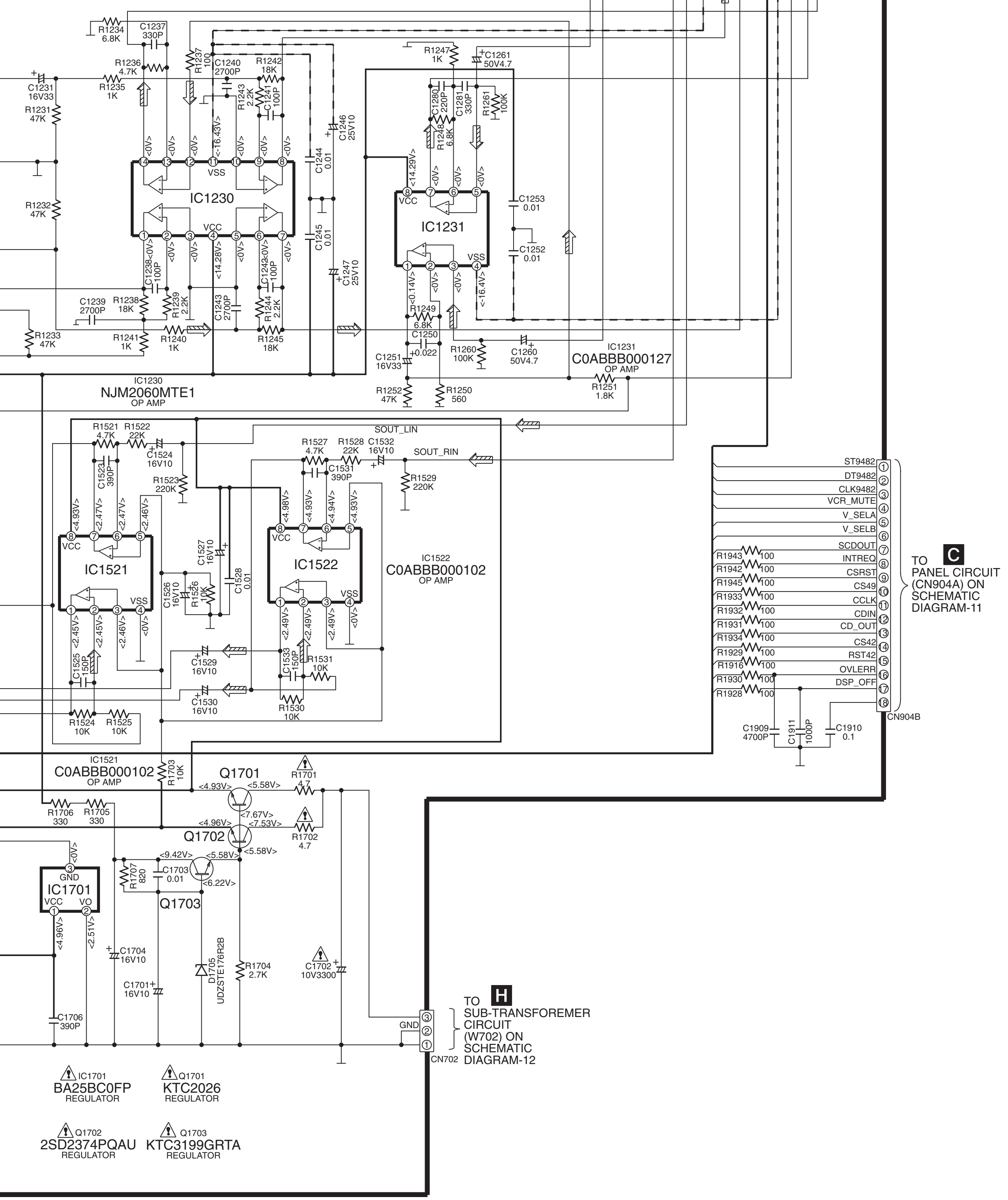


IC1002
C0FBZJ000004
DIGITAL ANALOG CONVERTER
XTO 29 <2.64V>
XTI 28 <2.75V>
DEM 27 <0V>
AOUT6 26 <2.39V>
AOUT5 25 <2.38V>
AOUT4 24 <2.38V>
AOUT3 23 <2.39V>
AOUT2 22 <2.38V>
AOUT1 21 <2.38V>
AGND2 20 <0V>
+VA 19 <4.93V>
AGND1 18 <0V>
FILT 17 <0V>
CMOUT 16 <2.38V>
AINAUX 15 <2.38V>
AIN1L 14 <2.38V>
AINR+ 13 <2.38V>
AINR- 12 <2.38V>
AINL- 11 <2.38V>
CDIN 5 <0V>
CS 6 <4.86V>
SPI 7 <0V>
PDN 8 <4.89V>
AIN3R 9 <2.38V>
AINL+ 10 <2.38V>
R1055 1K OVL/ERR
R1056 1K SW
R1057 1K C
R1058 1K RS
R1059 1K LS
L1004
G1C2R2K00008
C1011
6.3V100
R1060 1K R
R1061 1K L
C1048
0.1
C1052
0.01
C1051
1500P
R1068
47K
R1069
10
CMOUT
C1070
25V47
R1062 1K
R1063 1K
R1064 330
AD_RIN+
C1049
1000P
R1065
330
AD_RIN-
AD_LIN-
C1050
1000P
R1066
330
C1053
0.1
R1067 330
AD_LIN+
R1049 1K
R1050 1K
R1051 1K
R1052 1K
R1053 1K
R1054 1K
RST42
CS42
CDIN
CD_OUT
CCLK
C1045 100P
C1046 1000P
C1047 1000P
SW OUT
C OUT
RS OUT
LS OUT
R OUT
L OUT
+5VA
SW_DSP
C_DSP
RS_DSP
LS_DSP
R_DSP
L_DSP
OVL/ERR
AGND
AD_RIN+
AD_RIN-
AD_LIN-
AD_LIN+
RST42
D_IN3
RST42
RX3_
DGND
+5VD
D_IN2
RX2_
+2.5VD
+2.5VD
D_IN1
Z1304
J0JKB0000020
RX1_
DSP_OFF
CS42
CD_OUT
CDIN
CCLK
CS49
CSRST
/ABOOT
INTREQ
SCDOUT
DSP_OFF
CS42
CD_OUT
CDIN
CCLK
CS49
CSRST
/ABOOT
INTREQ
SCDOUT
Z1308
J0JKB0000020
+5VA
RX3
RX2
RX1
LS_DSP
C1232
4700P
C1233
4700P
RS_DSP
C1234
16V33
C1235
4700P
C1236
16V33
C_DSP
C1521
16V10
C1522
16V10
C1705
16V22

SCHEMATIC DIAGRAM - 6

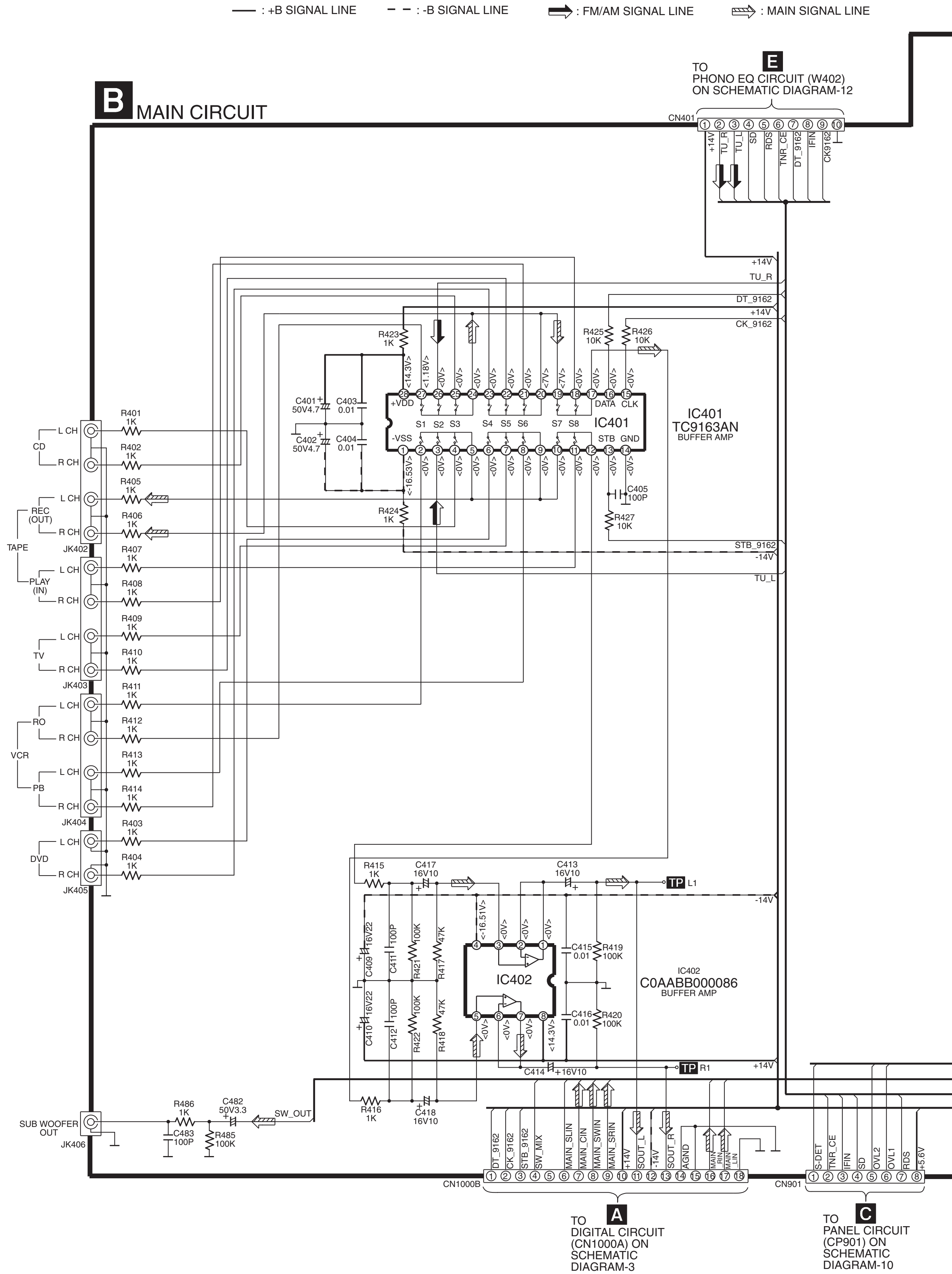
—— : +B SIGNAL LINE　　- - - : -B SIGNAL LINE　　⇨ : MAIN SIGNAL LINE

A DIGITAL CIRCUIT



R1234 6.8K
C1237 330P
R1236 4.7K
R1235 1K
C1231 16V33
R1231 47K
R1232 47K
R1237 100
C1240 2700P
R1242 18K
R1243 2.2K
C1241 100P
<-16.43V>
VSS
IC1230
VCC
<14.28V>
C1238 100P
C1242 100P
C1239 2700P
R1238 18K
R1239 2.2K
C1243 2700P
R1244 2.2K
R1233 47K
R1241 1K
R1240 1K
R1245 18K
C1244 0.01
C1245 0.01
C1246 25V10
C1247 25V10
IC1230
NJM2060MTE1
OP AMP
R1247 1K
C1261 50V4.7
C1280 220P
C1281 330P
R1261 100K
R1248 6.8K
<14.29V>
VCC
IC1231
VSS
<0.14V>
<-16.4V>
C1253 0.01
C1252 0.01
R1249 6.8K
C1250 0.022
C1251 16V33
R1260 100K
C1260 50V4.7
R1252 47K
R1250 560
IC1231
C0ABBB000127
OP AMP
R1251 1.8K
SOUT_LIN
SOUT_RIN
R1521 4.7K
R1522 22K
C1524 16V10
C1523 390P
R1523 220K
<4.93V>
<2.47V>
<2.46V>
VCC
IC1521
VSS
<2.45V>
C1525 150P
C1526 16V10
R1526 10K
C1527 16V10
C1528 0.01
C1529 16V10
C1530 16V10
R1524 10K
R1525 10K
R1527 4.7K
R1528 22K
C1532 16V10
C1531 390P
R1529 220K
<4.98V>
<4.94V>
VCC
IC1522
VSS
<2.49V>
C1533 150P
R1531 10K
R1530 10K
IC1522
C0ABBB000102
OP AMP
IC1521
C0ABBB000102
OP AMP
R1703 10K
Q1701
<4.93V>
<5.58V>
R1701 4.7
R1706 330
R1705 330
<7.67V>
<4.96V>
<7.53V>
Q1702
R1702 4.7
<5.58V>
<9.42V>
<5.58V>
R1707 820
C1703 0.01
<6.22V>
Q1703
GND
IC1701
VCC VO
<4.96V>
<2.51V>
C1704 16V10
C1701 16V10
D1705 UDZSTE176R2B
R1704 2.7K
C1702 10V3300
C1706 390P
GND
CN702
TO H SUB-TRANSFOREMER CIRCUIT (W702) ON SCHEMATIC DIAGRAM-12
ST9482 ①
DT9482 ②
CLK9482 ③
VCR_MUTE ④
V_SELA ⑤
V_SELB ⑥
SCDOUT ⑦
R1943 100 INTREQ ⑧
R1942 100 CSRST ⑨
R1945 100 CS49 ⑩
R1933 100 CCLK ⑪
R1932 100 CDIN ⑫
R1931 100 CD_OUT ⑬
R1934 100 CS42 ⑭
R1929 100 RST42 ⑮
R1916 100 OVLERR ⑯
R1930 100 DSP_OFF ⑰
R1928 100 ⑱
CN904B
C1909 4700P
C1911 1000P
C1910 0.1
TO C PANEL CIRCUIT (CN904A) ON SCHEMATIC DIAGRAM-11
IC1701 BA25BC0FP REGULATOR
Q1701 KTC2026 REGULATOR
Q1702 2SD2374PQAU REGULATOR
Q1703 KTC3199GRTA REGULATOR

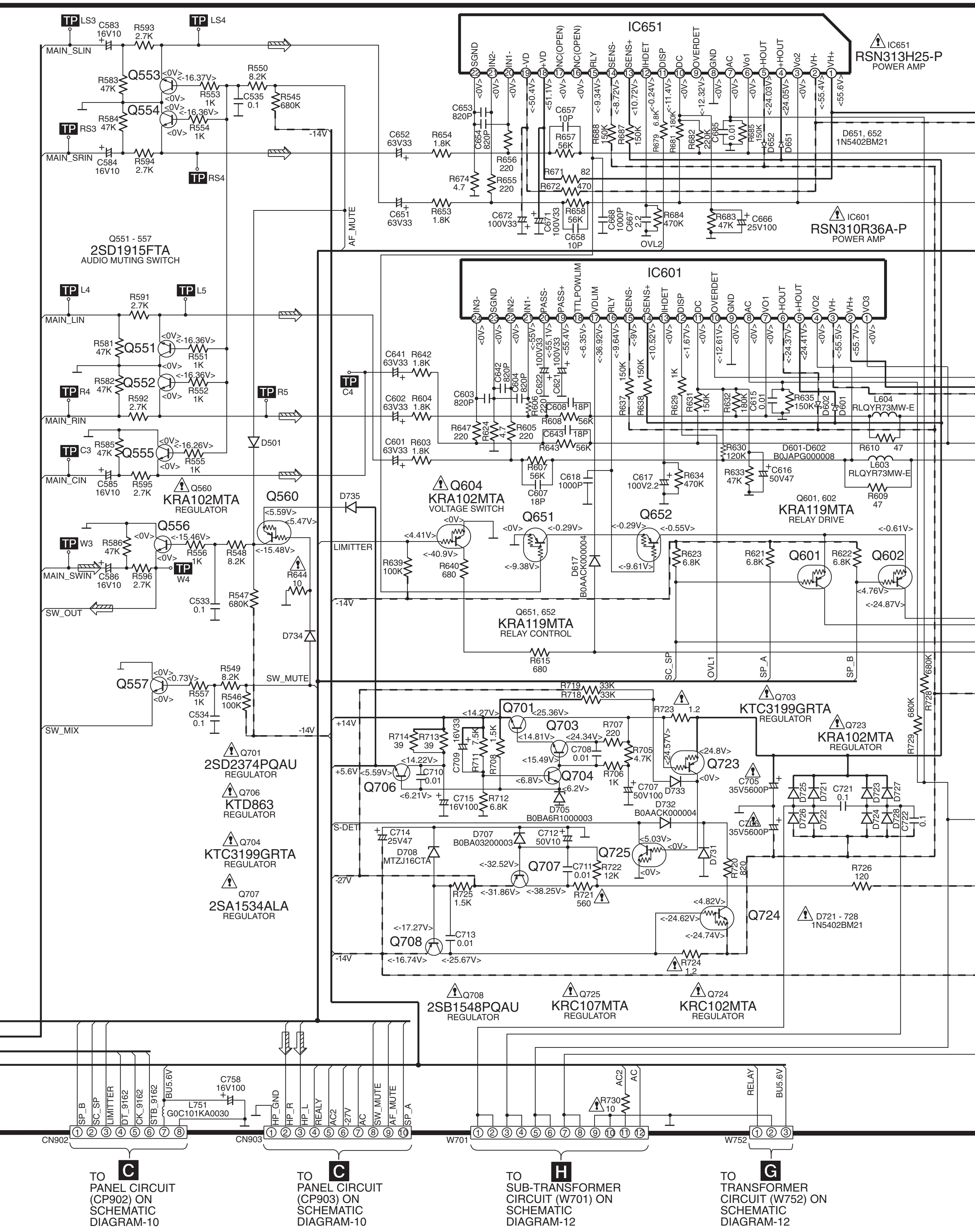
SCHEMATIC DIAGRAM - 7


: +B SIGNAL LINE
: -B SIGNAL LINE
: FM/AM SIGNAL LINE
: MAIN SIGNAL LINE
B MAIN CIRCUIT
E
TO
PHONO EQ CIRCUIT (W402)
ON SCHEMATIC DIAGRAM-12
CN401
+14V
TU_R
TU_L
SD
RDS
TNR_CE
DT_9162
IFIN
CK9162
+14V
TU_R
DT_9162
+14V
CK_9162
R423 1K
R425 10K
R426 10K
<14.3V>
<1.18V>
<0V>
<7V>
+VDD
DATA
CLK
S1 S2 S3 S4 S5 S6 S7 S8
IC401
TC9163AN
BUFFER AMP
-VSS
STB
GND
<-16.53V>
C401 50V4.7
C403 0.01
C402 50V4.7
C404 0.01
C405 100P
R427 10K
R424 1K
STB_9162
-14V
TU_L
R401 1K
R402 1K
R405 1K
R406 1K
R407 1K
R408 1K
R409 1K
R410 1K
R411 1K
R412 1K
R413 1K
R414 1K
R403 1K
R404 1K
L CH
R CH
CD
REC (OUT)
TAPE
PLAY (IN)
TV
RO
VCR
PB
DVD
JK402
JK403
JK404
JK405
R415 1K
C417 16V10
C413 16V10
TP L1
-14V
<-16.51V>
C409 16V22
C411 100P
R421 100K
R417 47K
C410 16V22
C412 100P
R422 100K
R418 47K
IC402
C0AABB000086
BUFFER AMP
C415 0.01
R419 100K
C416 0.01
R420 100K
<14.3V>
C414 16V10
TP R1
+14V
R416 1K
C418 16V10
SUB WOOFER OUT
JK406
R486 1K
C482 50V3.3
SW_OUT
C483 100P
R485 100K
CN1000B
DT_9162
CK_9162
STB_9162
SW_MIX
MAIN_SLIN
MAIN_CIN
MAIN_SWIN
MAIN_SRIN
+14V
SOUT_L
-14V
SOUT_R
AGND
MAIN RIN
MAIN LIN
A
TO
DIGITAL CIRCUIT
(CN1000A) ON
SCHEMATIC
DIAGRAM-3
CN901
S-DET
TNR_CE
IFIN
SD
OVL2
OVL1
RDS
+5.6V
C
TO
PANEL CIRCUIT
(CP901) ON
SCHEMATIC
DIAGRAM-10

SCHEMATIC DIAGRAM - 8

—— : +B SIGNAL LINE   - - : -B SIGNAL LINE   ⇨ : MAIN SIGNAL LINE

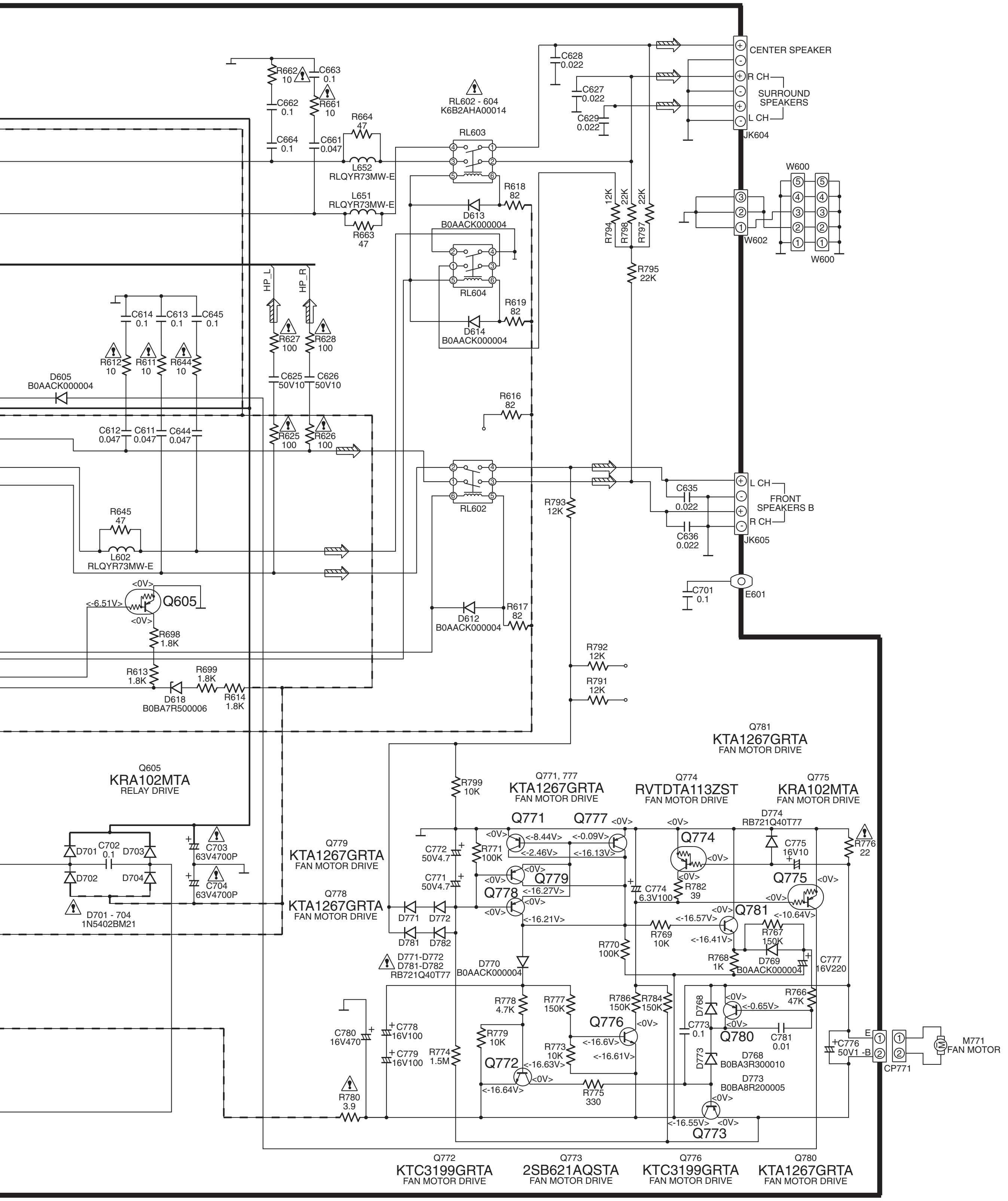
B MAIN CIRCUIT


IC651
RSN313H25-P
POWER AMP
IC601
RSN310R36A-P
POWER AMP
SGND IN2- IN1- -VD +VD NC(OPEN) NC(OPEN) RLY SENS- SENS+ IHDET DISP DC OVERDET GND AC Vo1 -HOUT +HOUT Vo2 VH- VH+
IN3- SGND IN2- IN1- PASS- PASS+ TTLPOWLIM VDLIM RLY SENS- SENS+ IHDET DISP DC OVERDET GND AC VO1 -HOUT +HOUT VO2 VH- VH+ VO3
MAIN_SLIN
MAIN_SRIN
MAIN_LIN
MAIN_RIN
MAIN_CIN
MAIN_SWIN
SW_OUT
SW_MIX
AF_MUTE
LIMITTER
SW_MUTE
S-DET
TP LS3
TP LS4
TP RS3
TP RS4
TP L4
TP L5
TP R4
TP R5
TP C3
TP C4
TP W3
TP W4
Q551 - 557
2SD1915FTA
AUDIO MUTING SWITCH
Q560
KRA102MTA
REGULATOR
Q604
KRA102MTA
VOLTAGE SWITCH
Q651, 652
KRA119MTA
RELAY CONTROL
Q601, 602
KRA119MTA
RELAY DRIVE
Q703
KTC3199GRTA
REGULATOR
Q723
KRA102MTA
REGULATOR
Q701
2SD2374PQAU
REGULATOR
Q706
KTD863
REGULATOR
Q704
KTC3199GRTA
REGULATOR
Q707
2SA1534ALA
REGULATOR
Q708
2SB1548PQAU
REGULATOR
Q725
KRC107MTA
REGULATOR
Q724
KRC102MTA
REGULATOR
D651, 652
1N5402BM21
D601-D602
B0JAPG000008
D721 - 728
1N5402BM21
D617
B0AACK000004
D705
B0BA6R1000003
D707
B0BA03200003
D708
MTZJ16CTA
D732
B0AACK000004
L604
RLQYR73MW-E
L603
RLQYR73MW-E
L751
G0C101KA0030
C758
16V100
R730
10
SC_SP
OVL1
OVL2
SP_A
SP_B
CN902
SP_B SC_SP LIMITTER DT_9162 CK_9162 STB_9162 BU5.6V
CN903
HP_GND HP_R HP_L REALY AC2 -27V SW_MUTE AF_MUTE SP_A
W701
AC2 AC
W752
RELAY BU5.6V
TO C PANEL CIRCUIT (CP902) ON SCHEMATIC DIAGRAM-10
TO C PANEL CIRCUIT (CP903) ON SCHEMATIC DIAGRAM-10
TO H SUB-TRANSFORMER CIRCUIT (W701) ON SCHEMATIC DIAGRAM-12
TO G TRANSFORMER CIRCUIT (W752) ON SCHEMATIC DIAGRAM-12

SCHEMATIC DIAGRAM - 9

— : +B SIGNAL LINE   - - : -B SIGNAL LINE   ⇨ : MAIN SIGNAL LINE

B MAIN CIRCUIT

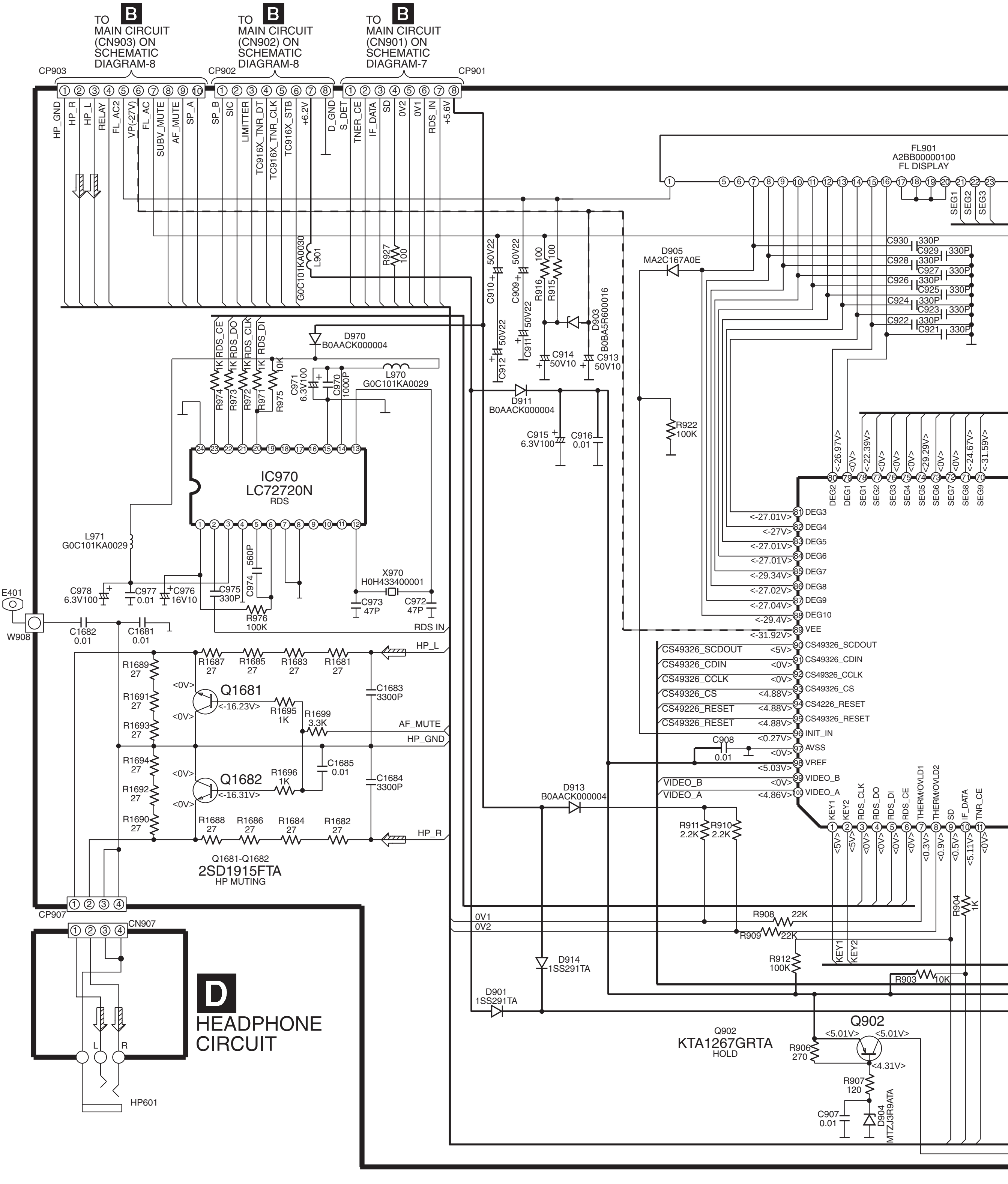


CENTER SPEAKER
R CH
SURROUND SPEAKERS
L CH
JK604
C628 0.022
C627 0.022
C629 0.022
RL602 - 604 K6B2AHA00014
RL603
R662 10
C663 0.1
R661 10
C662 0.1
C664 0.1
C661 0.047
R664 47
L652 RLQYR73MW-E
L651 RLQYR73MW-E
R663 47
R618 82
D613 B0AACK000004
RL604
R619 82
D614 B0AACK000004
W600
W602
R794 12K
R798 22K
R797 22K
R795 22K
HP_L
HP_R
C614 0.1
C613 0.1
C645 0.1
R612 10
R611 10
R644 10
R627 100
R628 100
C625 50V10
C626 50V10
D605 B0AACK000004
R616 82
C612 0.047
C611 0.047
C644 0.047
R625 100
R626 100
RL602
R793 12K
L CH
FRONT SPEAKERS B
R CH
C635 0.022
C636 0.022
JK605
R645 47
L602 RLQYR73MW-E
C701 0.1
E601
<0V>
<-6.51V>
Q605
<0V>
R698 1.8K
D612 B0AACK000004
R617 82
R613 1.8K
R699 1.8K
R614 1.8K
D618 B0BA7R500006
R792 12K
R791 12K
Q605 KRA102MTA RELAY DRIVE
Q781 KTA1267GRTA FAN MOTOR DRIVE
Q771, 777 KTA1267GRTA FAN MOTOR DRIVE
Q774 RVTDTA113ZST FAN MOTOR DRIVE
Q775 KRA102MTA FAN MOTOR DRIVE
R799 10K
D701
C702 0.1
D703
D702
D704
C703 63V4700P
C704 63V4700P
D701 - 704 1N5402BM21
Q779 KTA1267GRTA FAN MOTOR DRIVE
Q778 KTA1267GRTA FAN MOTOR DRIVE
Q771
Q777
<0V>
<-8.44V>
<-0.09V>
<-2.46V>
<-16.13V>
C772 50V4.7
R771 100K
C771 50V4.7
Q779
Q778
<-16.27V>
<-16.21V>
D771
D772
D781
D782
D771-D772 D781-D782 RB721Q40T77
D770 B0AACK000004
Q774
R782 39
C774 6.3V100
D774 RB721Q40T77
C775 16V10
R776 22
Q775
<-10.64V>
Q781
R769 10K
<-16.57V>
<-16.41V>
R767 150K
D769 B0AACK000004
R768 1K
R770 100K
C777 16V220
R778 4.7K
R777 150K
R786 150K
R784 150K
D768
<-0.65V>
R766 47K
Q776
<-16.6V>
<-16.61V>
C773 0.1
Q780
C781 0.01
D768 B0BA3R300010
D773 B0BA8R200005
D773
C780 16V470
C778 16V100
C779 16V100
R774 1.5M
R779 10K
R773 10K
Q772
<-16.63V>
<-16.64V>
R775 330
R780 3.9
Q773
<-16.55V>
C776 50V1
CP771
M771 FAN MOTOR
Q772 KTC3199GRTA FAN MOTOR DRIVE
Q773 2SB621AQSTA FAN MOTOR DRIVE
Q776 KTC3199GRTA FAN MOTOR DRIVE
Q780 KTA1267GRTA FAN MOTOR DRIVE

SCHEMATIC DIAGRAM - 10

—— : +B SIGNAL LINE - - : -B SIGNAL LINE ⇨ : MAIN SIGNAL LINE

C PANEL CIRCUIT

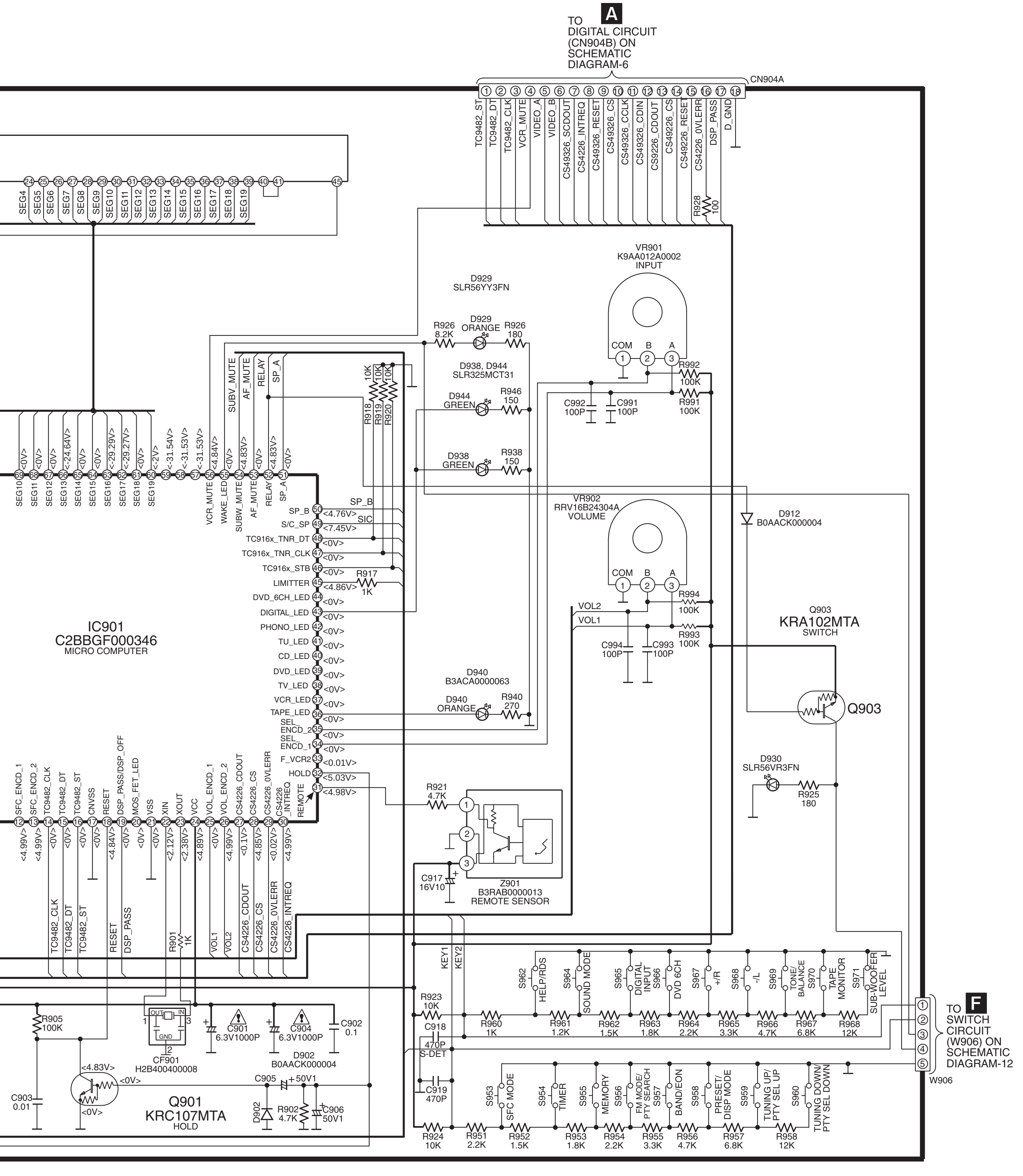


TO B MAIN CIRCUIT (CN903) ON SCHEMATIC DIAGRAM-8
TO B MAIN CIRCUIT (CN902) ON SCHEMATIC DIAGRAM-8
TO B MAIN CIRCUIT (CN901) ON SCHEMATIC DIAGRAM-7
CP903
CP902
CP901
HP_GND
HP_R
HP_L
RELAY
FL_AC2
VP(-27V)
FL_AC
SUBV_MUTE
AF_MUTE
SP_A
SP_B
SIC
LIMITTER
TC916X_TNR_DT
TC916X_TNR_CLK
TC916X_STB
+6.2V
D_GND
S_DET
TNER_CE
IF_DATA
SD
0V2
0V1
RDS_IN
+5.6V
FL901
A2BB00000100
FL DISPLAY
SEG1
SEG2
SEG3
L901
G0C101KA0030
R927 100
C910 50V22
C909 50V22
R916 100
R915 100
C912 50V22
C911 50V22
C914 50V10
C913 50V10
D903 B0BA5R600016
D905 MA2C167A0E
C930 330P
C929 330P
C928 330P
C927 330P
C926 330P
C925 330P
C924 330P
C923 330P
C922 330P
C921 330P
D970 B0AACK000004
RDS_CE
RDS_DO
RDS_CLK
RDS_DI
R974 1K
R973 1K
R972 1K
R971 1K
R975 10K
C971 6.3V100
C970 1000P
L970 G0C101KA0029
D911 B0AACK000004
C915 6.3V100
C916 0.01
R922 100K
IC970
LC72720N
RDS
L971 G0C101KA0029
C978 6.3V100
C977 0.01
C976 16V10
C975 330P
C974 560P
R976 100K
X970 H0H433400001
C973 47P
C972 47P
RDS IN
E401
W908
C1682 0.01
C1681 0.01
HP_L
R1689 27
R1687 27
R1685 27
R1683 27
R1681 27
<0V>
Q1681
<-16.23V>
R1691 27
R1695 1K
R1699 3.3K
C1683 3300P
R1693 27
AF_MUTE
HP_GND
R1694 27
C1685 0.01
Q1682
<-16.31V>
R1696 1K
C1684 3300P
R1692 27
R1690 27
R1688 27
R1686 27
R1684 27
R1682 27
HP_R
Q1681-Q1682
2SD1915FTA
HP MUTING
CP907
CN907
D
HEADPHONE CIRCUIT
L
R
HP601
DEG2 <-26.97V>
DEG1 <0V>
SEG1 <-22.39V>
SEG2 <0V>
SEG3 <0V>
SEG4 <0V>
SEG5 <29.29V>
SEG6 <0V>
SEG7 <0V>
SEG8 <-24.67V>
SEG9 <-31.59V>
<-27.01V> 81 DEG3
<-27V> 82 DEG4
<-27.01V> 83 DEG5
<-27.01V> 84 DEG6
<-29.34V> 85 DEG7
<-27.02V> 86 DEG8
<-27.04V> 87 DEG9
<-29.4V> 88 DEG10
<-31.92V> 89 VEE
CS49326_SCDOUT <5V> 90 CS49326_SCDOUT
CS49326_CDIN <0V> 91 CS49326_CDIN
CS49326_CCLK <0V> 92 CS49326_CCLK
CS49326_CS <4.88V> 93 CS49326_CS
CS49226_RESET <4.88V> 94 CS4226_RESET
CS49326_RESET <4.88V> 95 CS49326_RESET
<0.27V> 96 INIT_IN
C908 0.01
<0V> 97 AVSS
<5.03V> 98 VREF
VIDEO_B <0V> 99 VIDEO_B
VIDEO_A <4.86V> 100 VIDEO_A
D913 B0AACK000004
R911 2.2K
R910 2.2K
KEY1 <5V>
KEY2 <5V>
RDS_CLK <0V>
RDS_DO <0V>
RDS_DI <0V>
RDS_CE <0V>
THERM/OVLD1 <0.3V>
THERM/OVLD2 <0.9V>
SD <0.5V>
IF_DATA <5.11V>
TNR_CE <0V>
R904 1K
0V1
0V2
R908 22K
R909 22K
D914 1SS291TA
R912 100K
KEY1
KEY2
R903 10K
D901 1SS291TA
Q902
KTA1267GRTA
HOLD
<5.01V>
<5.01V>
R906 270
<4.31V>
R907 120
C907 0.01
D904 MTZJ3R9ATA

SCHEMATIC DIAGRAM - 11

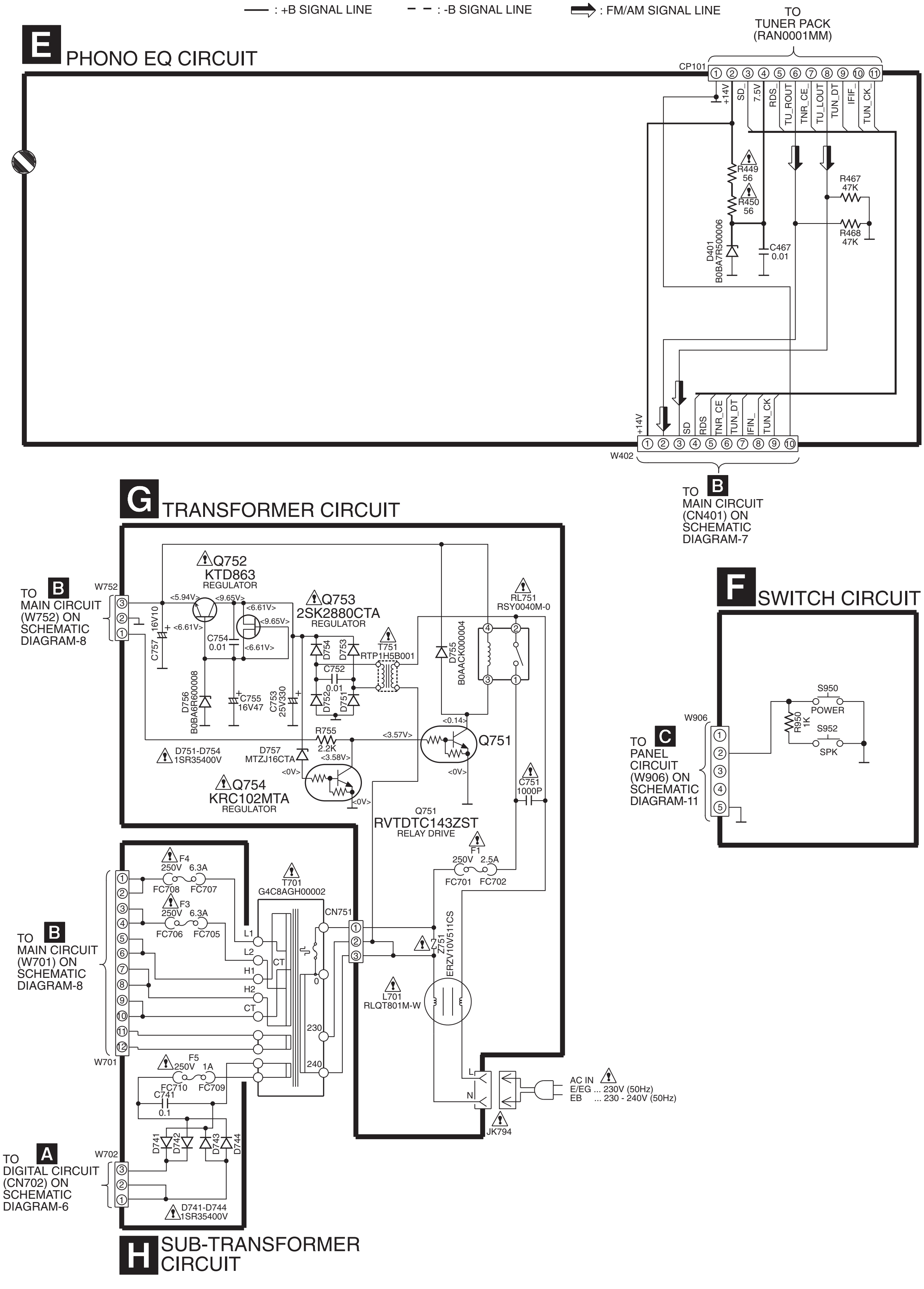
—— : +B SIGNAL LINE

C PANEL CIRCUIT

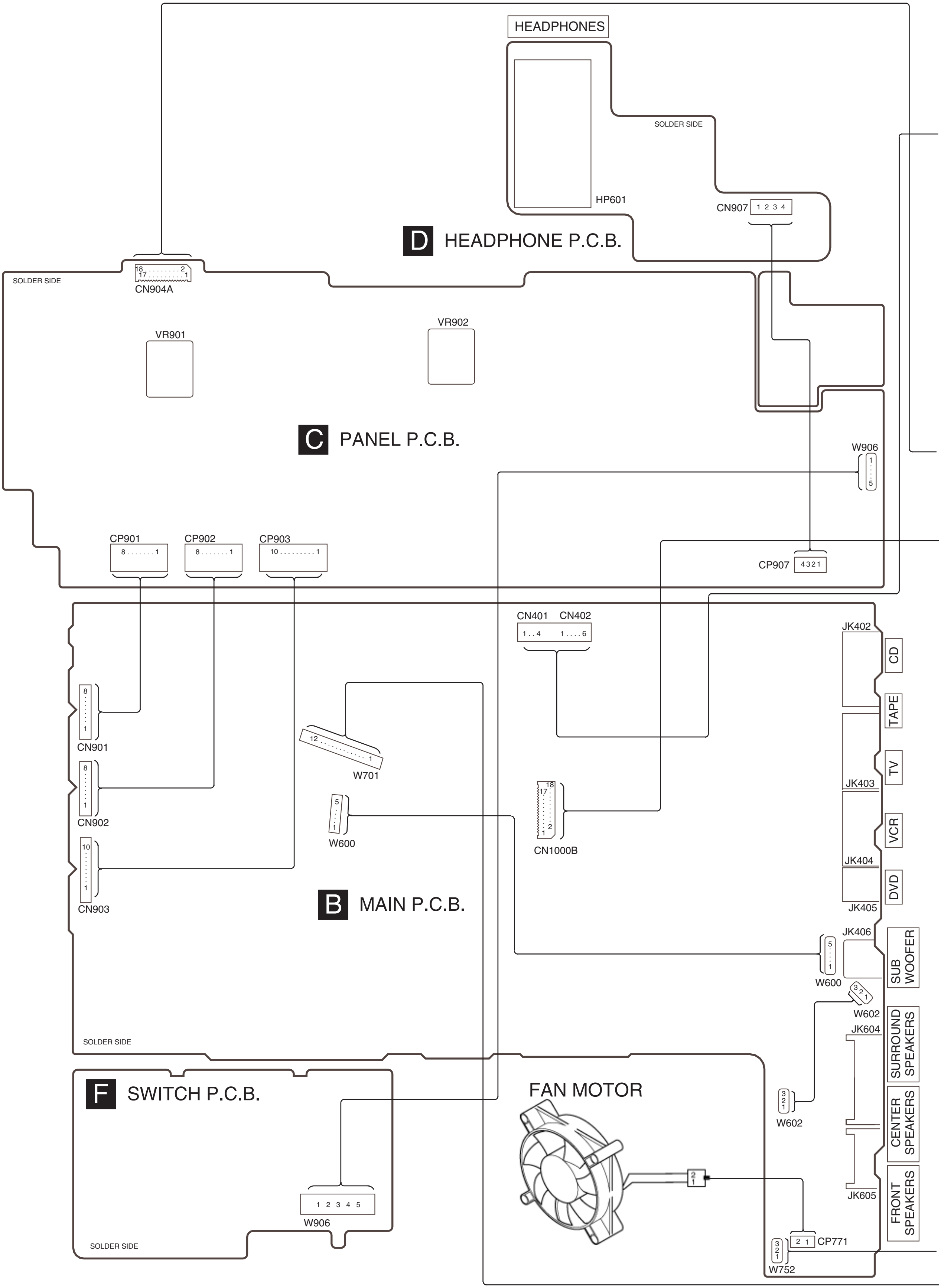

TO A
DIGITAL CIRCUIT
(CN904B) ON
SCHEMATIC
DIAGRAM-6
CN904A
TC9482_ST
TC9482_DT
TC9482_CLK
VCR_MUTE
VIDEO_A
VIDEO_B
CS49326_SCDOUT
CS4226_INTREQ
CS49326_RESET
CS49326_CS
CS49326_CCLK
CS49326_CDIN
CS9226_CDOUT
CS49226_CS
CS49226_RESET
CS4226_0VLERR
DSP_PASS
D_GND
R928
100
SEG4
SEG5
SEG6
SEG7
SEG8
SEG9
SEG10
SEG11
SEG12
SEG13
SEG14
SEG15
SEG16
SEG17
SEG18
SEG19
VR901
K9AA012A0002
INPUT
COM
B
A
R992
100K
R991
100K
C992
100P
C991
100P
D929
SLR56YY3FN
R926
8.2K
D929
ORANGE
R926
180
D938, D944
SLR325MCT31
D944
GREEN
R946
150
D938
GREEN
R938
150
SUBV_MUTE
AF_MUTE
RELAY
SP_A
R918
R919
R920
10K
10K
10K
VCR_MUTE
WAKE_LED
SUBW_MUTE
AF_MUTE
RELAY
SP_A
SP_B
SIC
SP_B
S/C_SP
TC916x_TNR_DT
TC916x_TNR_CLK
TC916x_STB
LIMITTER
DVD_6CH_LED
DIGITAL_LED
PHONO_LED
TU_LED
CD_LED
DVD_LED
TV_LED
VCR_LED
TAPE_LED
SEL_ENCD_2
SEL_ENCD_1
F_VCR2
HOLD
REMOTE
R917
1K
IC901
C2BBGF000346
MICRO COMPUTER
VR902
RRV16B24304A
VOLUME
R994
100K
R993
100K
VOL2
VOL1
C994
100P
C993
100P
D912
B0AACK000004
Q903
KRA102MTA
SWITCH
Q903
D940
B3ACA0000063
D940
ORANGE
R940
270
D930
SLR56VR3FN
R925
180
R921
4.7K
Z901
B3RAB0000013
REMOTE SENSOR
C917
16V10
SFC_ENCD_1
SFC_ENCD_2
TC9482_CLK
TC9482_DT
TC9482_ST
CNVSS
RESET
DSP_PASS/DSP_OFF
MOS_FET_LED
VSS
XIN
XOUT
VCC
VOL_ENCD_1
VOL_ENCD_2
CS4226_CDOUT
CS4226_CS
CS4226_0VLERR
CS4226_INTREQ
TC9482_CLK
TC9482_DT
TC9482_ST
RESET
DSP_PASS
R901
1K
VOL1
VOL2
CS4226_CDOUT
CS4226_CS
CS4226_0VLERR
CS4226_INTREQ
R905
100K
CF901
H2B400400008
OUT
IN
GND
C901
6.3V1000P
C904
6.3V1000P
C902
0.1
D902
B0AACK000004
C905
50V1
C903
0.01
Q901
KRC107MTA
HOLD
D902
R902
4.7K
C906
50V1
KEY1
KEY2
R923
10K
C918
470P
S-DET
C919
470P
R924
10K
S962
HELP/RDS
S964
SOUND MODE
S965
DIGITAL INPUT
S966
DVD 6CH
S967
+/R
S968
-/L
S969
TONE/BALANCE
S970
TAPE MONITOR
S971
SUB-WOOFER LEVEL
R960
1K
R961
1.2K
R962
1.5K
R963
1.8K
R964
2.2K
R965
3.3K
R966
4.7K
R967
6.8K
R968
12K
S953
SFC MODE
S954
TIMER
S955
MEMORY
S956
FM MODE/PTY SEARCH
S957
BAND/EON
S958
PRESET/DISP MODE
S959
TUNING UP/PTY SEL UP
S960
TUNING DOWN/PTY SEL DOWN
R951
2.2K
R952
1.5K
R953
1.8K
R954
2.2K
R955
3.3K
R956
4.7K
R957
6.8K
R958
12K
W906
TO F
SWITCH
CIRCUIT
(W906) ON
SCHEMATIC
DIAGRAM-12

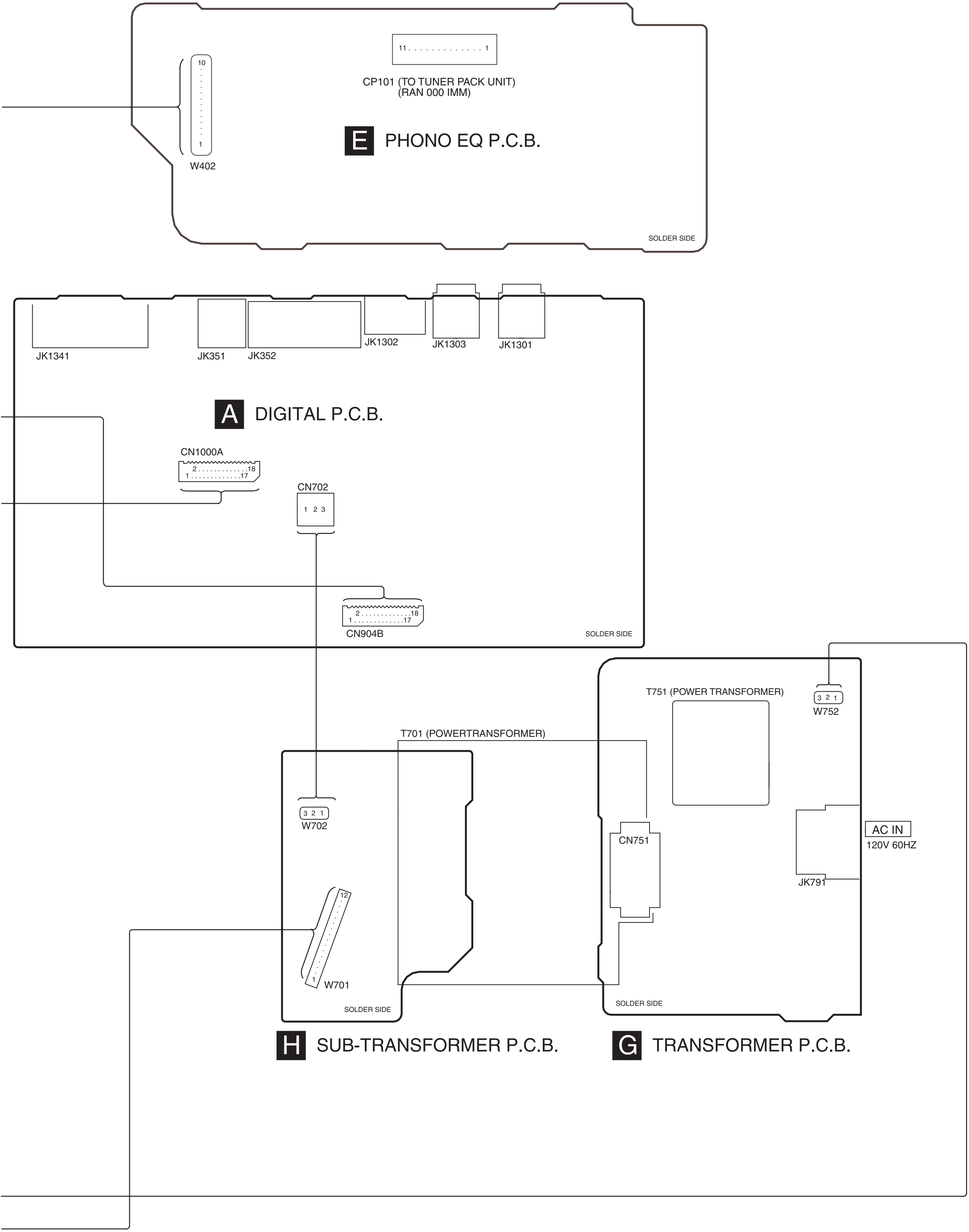
SCHEMATIC DIAGRAM - 12

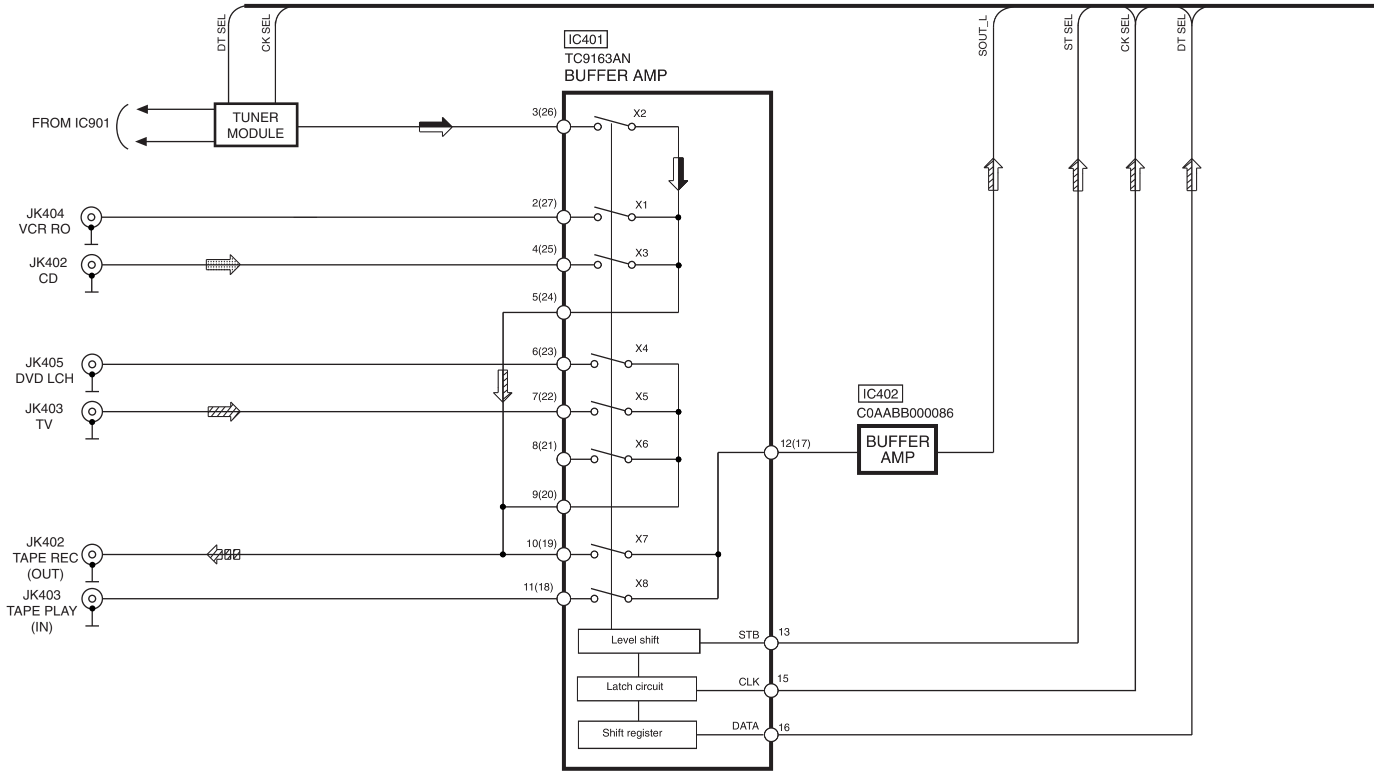
—— : +B SIGNAL LINE – – : -B SIGNAL LINE ➡ : FM/AM SIGNAL LINE

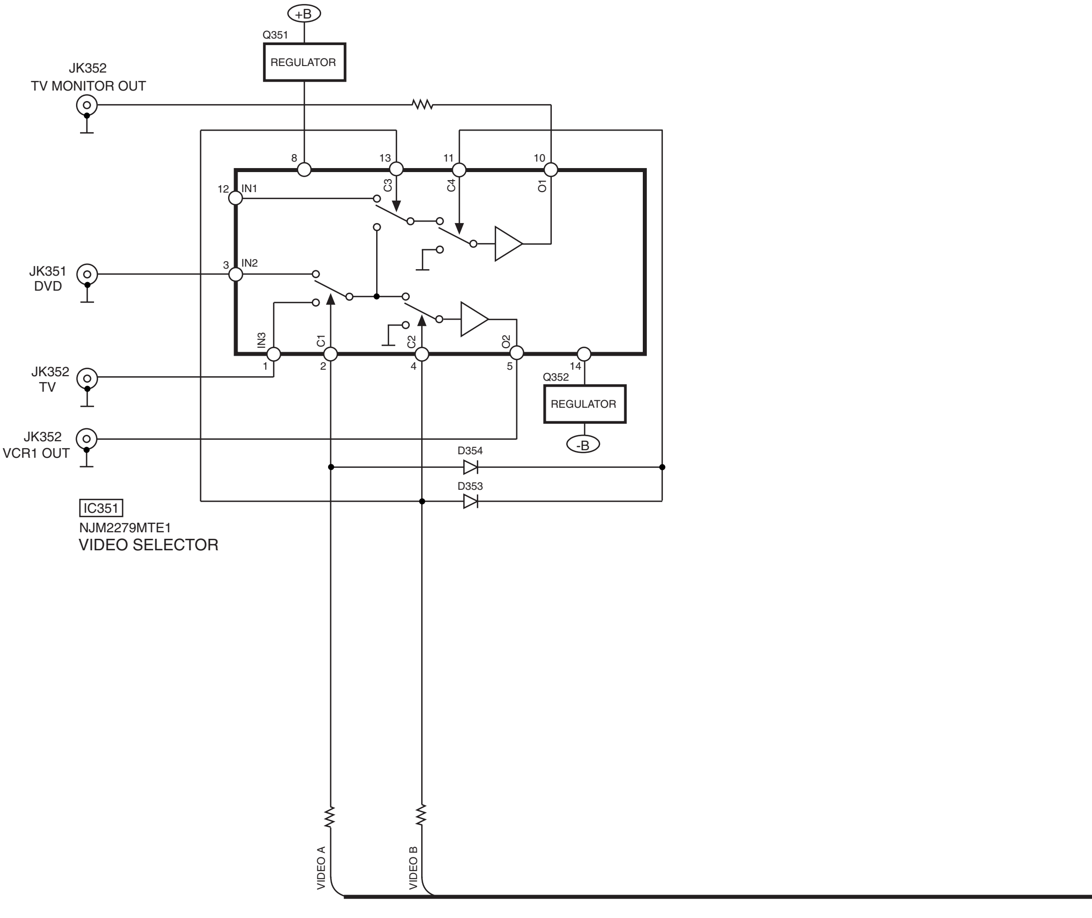


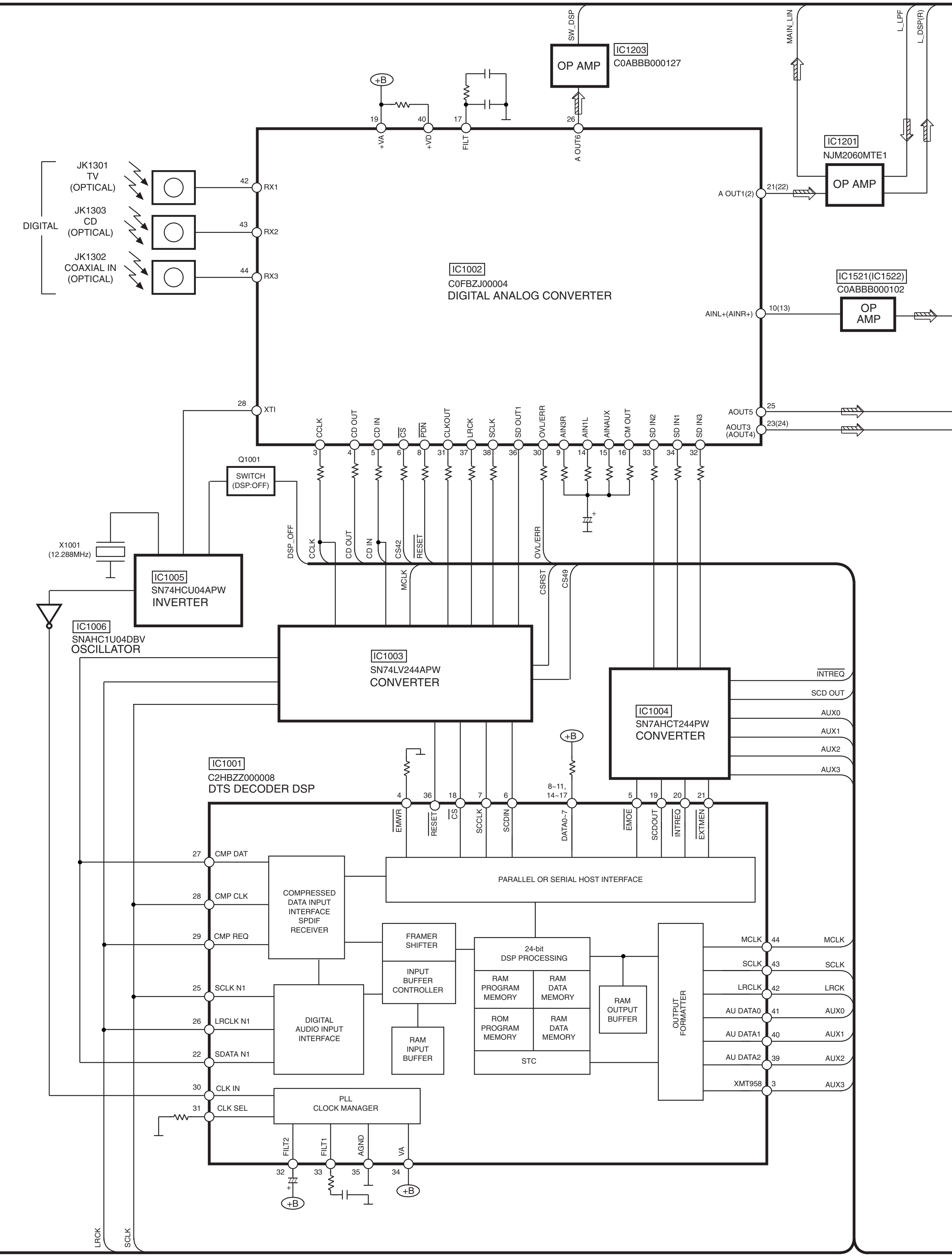
TO
TUNER PACK
(RAN0001MM)
E
PHONO EQ CIRCUIT
CP101
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪
+14V
SD_
7.5V
RDS_
TU_ROUT
TNR_CE_
TU_LOUT
TUN_DT
IFIF_
TUN_CK_
R449
56
R450
56
D401
B0BA7R500006
C467
0.01
R467
47K
R468
47K
+14V
SD
RDS
TNR_CE
TUN_DT
IFIN_
TUN_CK
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩
W402
TO B
MAIN CIRCUIT
(CN401) ON
SCHEMATIC
DIAGRAM-7
G
TRANSFORMER CIRCUIT
TO B
MAIN CIRCUIT
(W752) ON
SCHEMATIC
DIAGRAM-8
W752
③ ② ①
Q752
KTD863
REGULATOR
<5.94V>
<9.65V>
<6.61V>
<9.65V>
<6.61V>
<6.61V>
C757
16V10
C754
0.01
Q753
2SK2880CTA
REGULATOR
D754
D753
T751
RTP1H5B001
C752
0.01
D752
D751
D756
B0BA6R600008
C755
16V47
C753
25V330
RL751
RSY0040M-0
D755
B0AACK000004
④ ② ③ ①
<0.14>
Q751
R755
2.2K
<3.57V>
<3.58V>
D751-D754
1SR35400V
D757
MTZJ16CTA
<0V>
<0V>
<0V>
Q754
KRC102MTA
REGULATOR
C751
1000P
Q751
RVTDTC143ZST
RELAY DRIVE
F1
250V 2.5A
FC701 FC702
F4
250V 6.3A
FC708 FC707
F3
250V 6.3A
FC706 FC705
T701
G4C8AGH00002
CN751
① ② ③
L1
L2
H1
H2
CT
CT
0
230
240
Z751
ERZV10V511CS
L701
RLQT801M-W
TO B
MAIN CIRCUIT
(W701) ON
SCHEMATIC
DIAGRAM-8
① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫
W701
F5
250V 1A
FC710 FC709
C741
0.1
D741
D742
D743
D744
L
N
JK794
AC IN
E/EG ... 230V (50Hz)
EB ... 230 - 240V (50Hz)
TO A
DIGITAL CIRCUIT
(CN702) ON
SCHEMATIC
DIAGRAM-6
W702
③ ② ①
D741-D744
1SR35400V
H
SUB-TRANSFORMER
CIRCUIT
F
SWITCH CIRCUIT
TO C
PANEL
CIRCUIT
(W906) ON
SCHEMATIC
DIAGRAM-11
W906
① ② ③ ④ ⑤
S950
POWER
R950
1K
S952
SPK

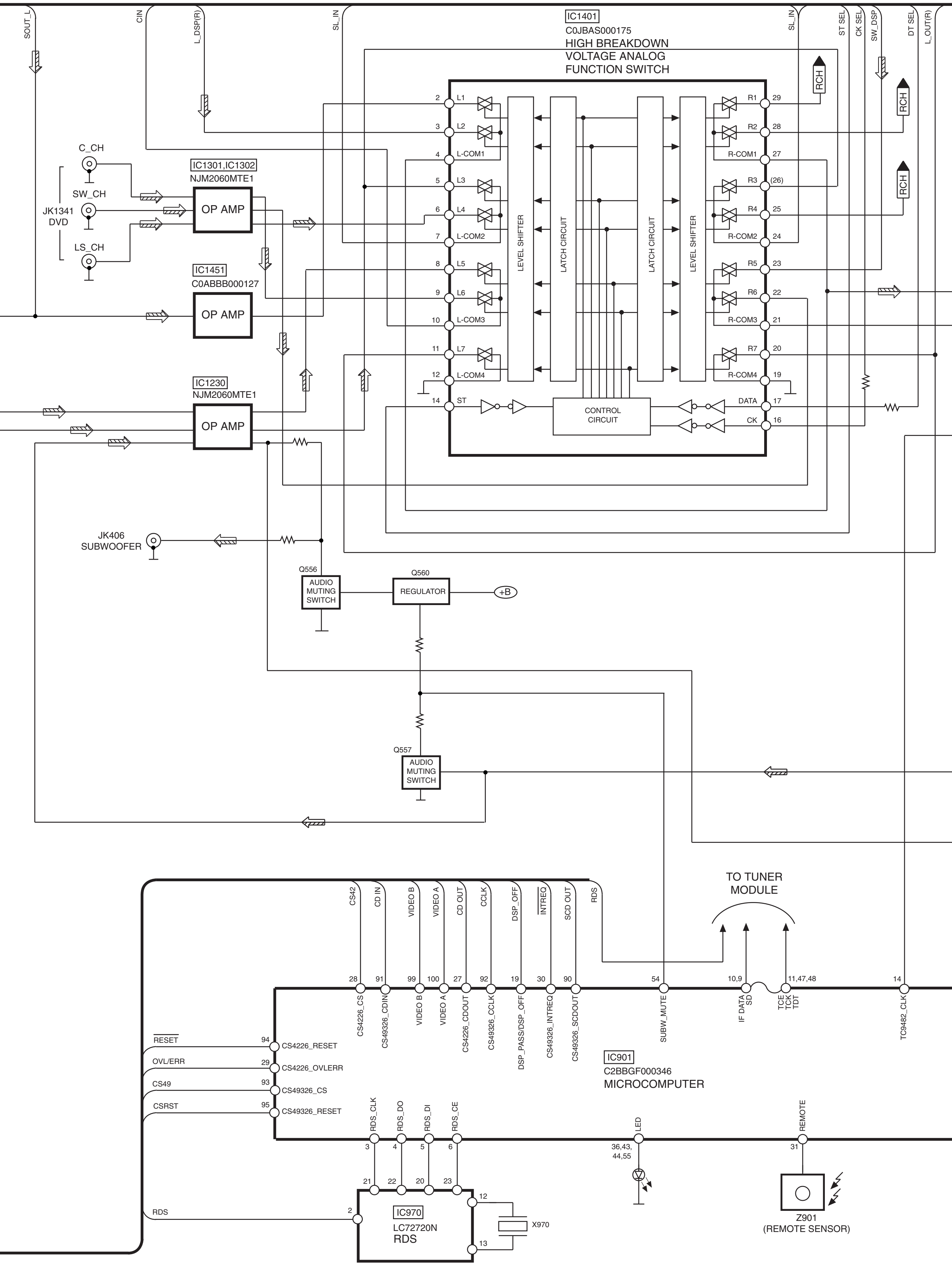

HEADPHONES
SOLDER SIDE
HP601
CN907 1 2 3 4
D HEADPHONE P.C.B.
SOLDER SIDE
18 2
17 1
CN904A
VR901
VR902
C PANEL P.C.B.
W906 1 . . . 5
CP901 8 1
CP902 8 1
CP903 10 1
CP907 4 3 2 1
CN401 CN402
1 . . 4 1 6
JK402
CD
TAPE
TV
JK403
VCR
JK404
DVD
JK405
8 . . . 1
CN901
8 . . . 1
CN902
10 . . . 1
CN903
12 1
W701
5 . . . 1
W600
18 17 . . . 2 1
CN1000B
B MAIN P.C.B.
JK406
5 . . . 1
W600
SUB WOOFER
3 2 1
W602
JK604
SURROUND SPEAKERS
SOLDER SIDE
F SWITCH P.C.B.
FAN MOTOR
3 2 1
W602
CENTER SPEAKERS
2 1
JK605
FRONT SPEAKERS
1 2 3 4 5
W906
SOLDER SIDE
2 1
CP771
3 2 1
W752


11 1
CP101 (TO TUNER PACK UNIT)
(RAN 000 IMM)
10
1
W402
E PHONO EQ P.C.B.
SOLDER SIDE
JK1341
JK351
JK352
JK1302
JK1303
JK1301
A DIGITAL P.C.B.
CN1000A
2 18
1 17
CN702
1 2 3
2 18
1 17
CN904B
SOLDER SIDE
T751 (POWER TRANSFORMER)
3 2 1
W752
T701 (POWERTRANSFORMER)
3 2 1
W702
CN751
AC IN
120V 60HZ
JK791
12
1
W701
SOLDER SIDE
SOLDER SIDE
H SUB-TRANSFORMER P.C.B.
G TRANSFORMER P.C.B.

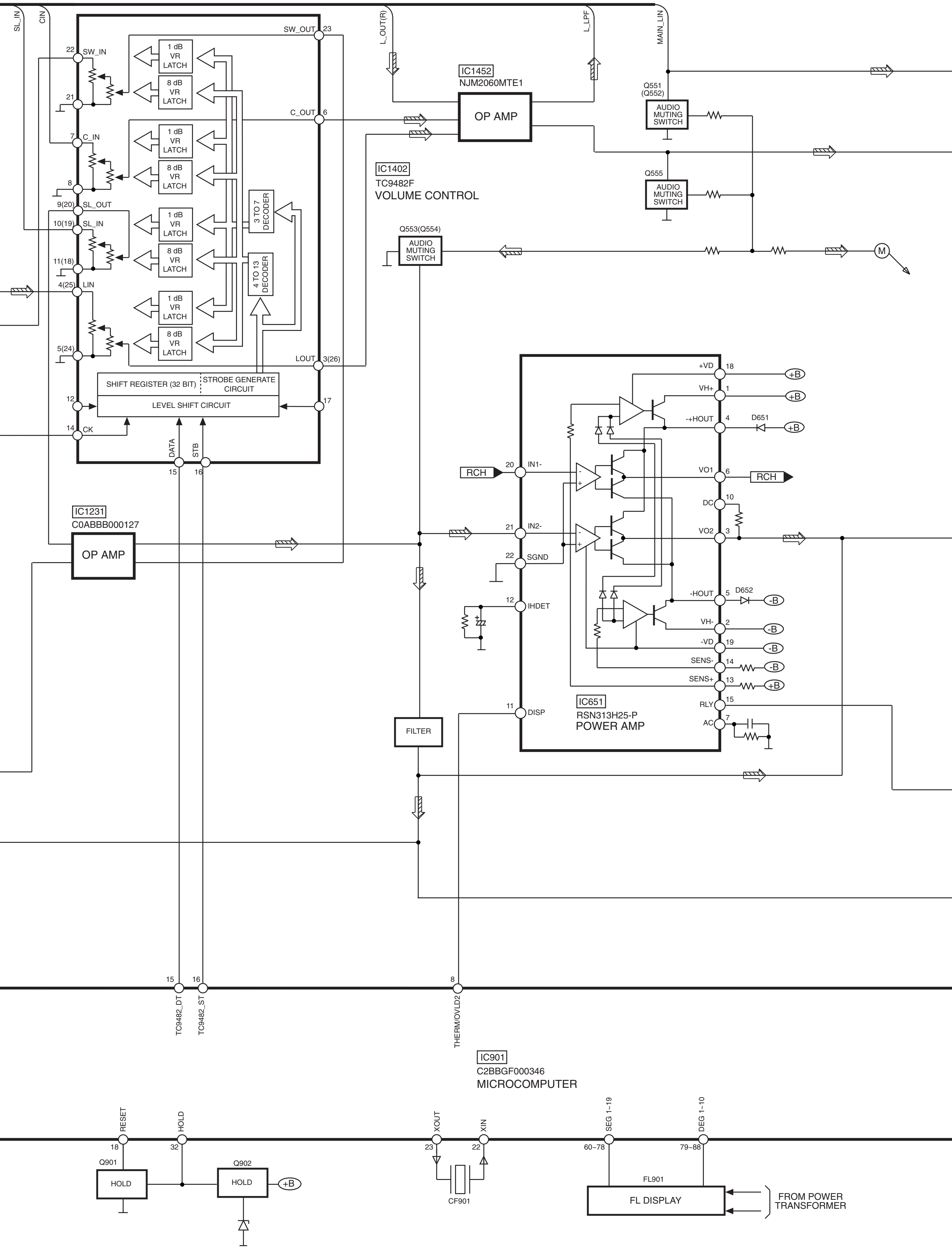

DT SEL
CK SEL
FROM IC901
TUNER MODULE
IC401
TC9163AN
BUFFER AMP
3(26)
X2
2(27)
X1
4(25)
X3
5(24)
6(23)
X4
7(22)
X5
8(21)
X6
9(20)
10(19)
X7
11(18)
X8
JK404
VCR RO
JK402
CD
JK405
DVD LCH
JK403
TV
JK402
TAPE REC
(OUT)
JK403
TAPE PLAY
(IN)
Level shift
Latch circuit
Shift register
STB
13
CLK
15
DATA
16
12(17)
IC402
C0AABB000086
BUFFER AMP
SOUT_L
ST SEL
CK SEL
DT SEL

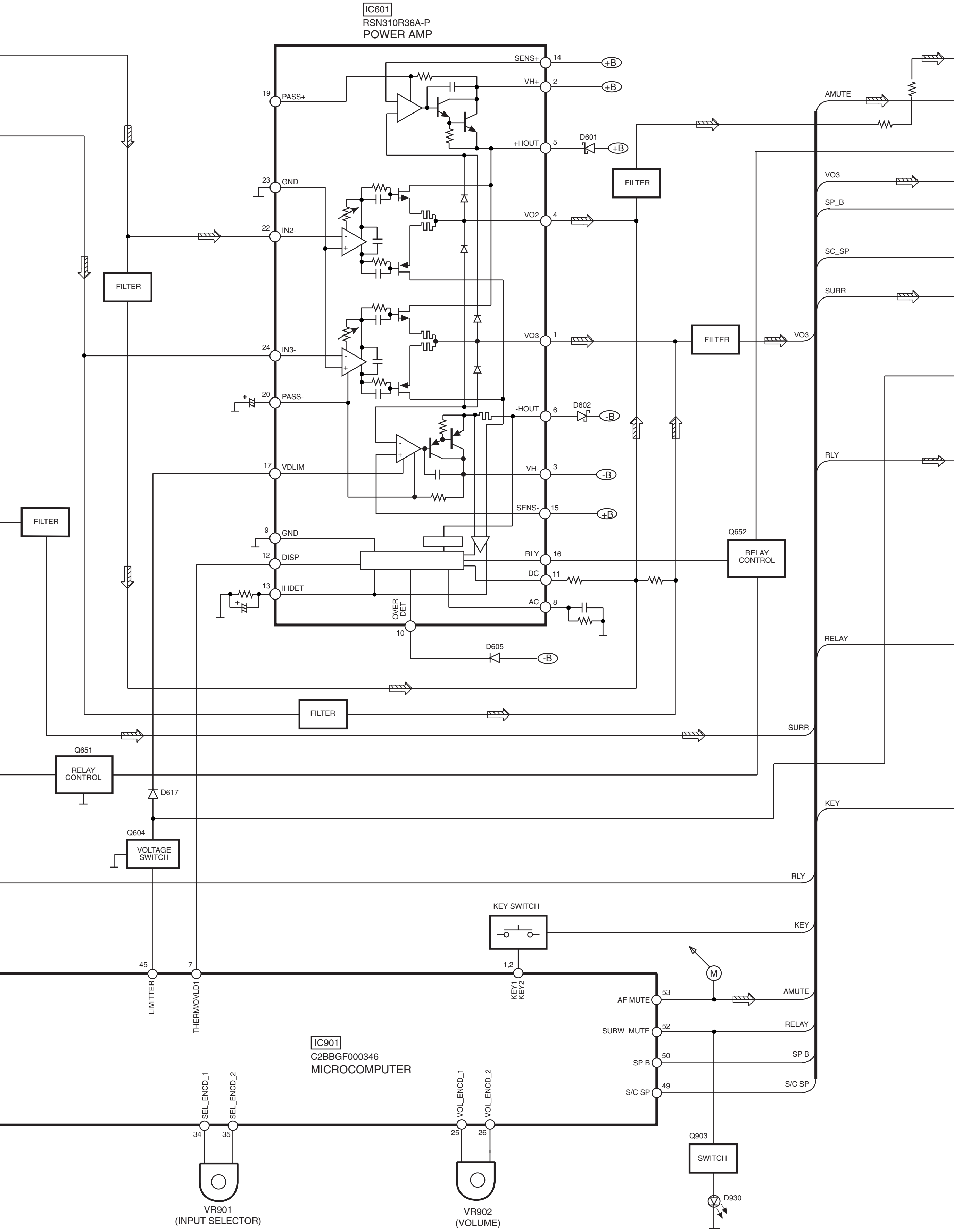

+B
Q351
REGULATOR
JK352
TV MONITOR OUT
8
13
11
10
12
IN1
C3
C4
O1
JK351
DVD
3
IN2
IN3
C1
C2
O2
1
2
4
5
14
JK352
TV
JK352
VCR1 OUT
Q352
REGULATOR
-B
D354
D353
IC351
NJM2279MTE1
VIDEO SELECTOR
VIDEO A
VIDEO B

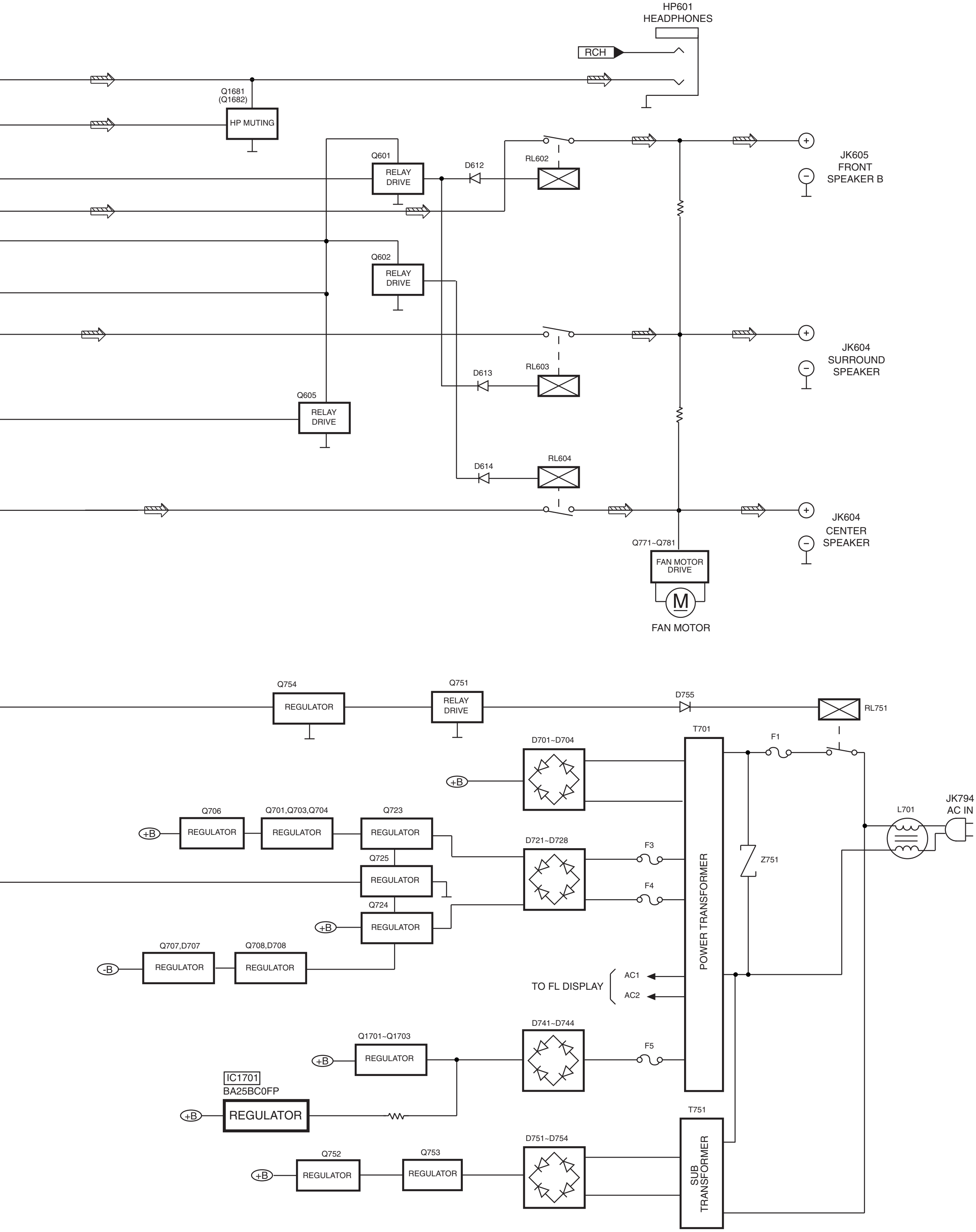

SW_DSP
MAIN_LIN
L_LPF
L_DSP(R)
IC1203
C0ABBB000127
OP AMP
+B
19
40
17
26
+VA
+VD
FILT
A OUT6
IC1201
NJM2060MTE1
OP AMP
A OUT1(2)
21(22)
DIGITAL
JK1301
TV
(OPTICAL)
JK1303
CD
(OPTICAL)
JK1302
COAXIAL IN
(OPTICAL)
42
RX1
43
RX2
44
RX3
IC1002
C0FBZJ00004
DIGITAL ANALOG CONVERTER
IC1521(IC1522)
C0ABBB000102
OP AMP
AINL+(AINR+)
10(13)
28
XTI
AOUT5
25
AOUT3
(AOUT4)
23(24)
CCLK
CD OUT
CD IN
CS
PDN
CLKOUT
LRCK
SCLK
SD OUT1
OVL/ERR
AIN3R
AIN1L
AINAUX
CM OUT
SD IN2
SD IN1
SD IN3
3
4
5
6
8
31
37
38
36
30
9
14
15
16
33
34
32
Q1001
SWITCH
(DSP:OFF)
X1001
(12.288MHz)
DSP_OFF
CCLK
CD OUT
CD IN
CS42
RESET
OVL/ERR
MCLK
CSRST
CS49
IC1005
SN74HCU04APW
INVERTER
IC1006
SNAHC1U04DBV
OSCILLATOR
IC1003
SN74LV244APW
CONVERTER
IC1004
SN7AHCT244PW
CONVERTER
INTREQ
SCD OUT
AUX0
AUX1
AUX2
AUX3
+B
IC1001
C2HBZZ000008
DTS DECODER DSP
4
36
18
7
6
8~11,
14~17
5
19
20
21
EMWR
RESET
CS
SCCLK
SCDIN
DATA0~7
EMOE
SCDOUT
INTREQ
EXTMEN
PARALLEL OR SERIAL HOST INTERFACE
27
CMP DAT
28
CMP CLK
29
CMP REQ
25
SCLK N1
26
LRCLK N1
22
SDATA N1
30
CLK IN
31
CLK SEL
COMPRESSED
DATA INPUT
INTERFACE
SPDIF
RECEIVER
FRAMER
SHIFTER
INPUT
BUFFER
CONTROLLER
24-bit
DSP PROCESSING
RAM
PROGRAM
MEMORY
RAM
DATA
MEMORY
ROM
PROGRAM
MEMORY
RAM
DATA
MEMORY
STC
RAM
OUTPUT
BUFFER
OUTPUT
FORMATTER
DIGITAL
AUDIO INPUT
INTERFACE
RAM
INPUT
BUFFER
PLL
CLOCK MANAGER
MCLK
44
MCLK
SCLK
43
SCLK
LRCLK
42
LRCK
AU DATA0
41
AUX0
AU DATA1
40
AUX1
AU DATA2
39
AUX2
XMT958
3
AUX3
FILT2
FILT1
AGND
VA
32
33
35
34
+B
+B
LRCK
SCLK



SOUT_L
CIN
L_DSP(R)
SL_IN
SL_IN
ST SEL
CK SEL
SW_DSP
DT SEL
L_OUT(R)
IC1401
C0JBAS000175
HIGH BREAKDOWN
VOLTAGE ANALOG
FUNCTION SWITCH
RCH
RCH
RCH
2 L1
3 L2
4 L-COM1
5 L3
6 L4
7 L-COM2
8 L5
9 L6
10 L-COM3
11 L7
12 L-COM4
14 ST
R1 29
R2 28
R-COM1 27
R3 (26)
R4 25
R-COM2 24
R5 23
R6 22
R-COM3 21
R7 20
R-COM4 19
DATA 17
CK 16
LEVEL SHIFTER
LATCH CIRCUIT
LATCH CIRCUIT
LEVEL SHIFTER
CONTROL
CIRCUIT
C_CH
SW_CH
LS_CH
JK1341
DVD
IC1301,IC1302
NJM2060MTE1
OP AMP
IC1451
C0ABBB000127
OP AMP
IC1230
NJM2060MTE1
OP AMP
JK406
SUBWOOFER
Q556
AUDIO
MUTING
SWITCH
Q560
REGULATOR
+B
Q557
AUDIO
MUTING
SWITCH
TO TUNER
MODULE
CS42
CD IN
VIDEO B
VIDEO A
CD OUT
CCLK
DSP_OFF
INTREQ
SCD OUT
RDS
28 CS4226_CS
91 CS49326_CDIN
99 VIDEO B
100 VIDEO A
27 CS4226_CDOUT
92 CS49326_CCLK
19 DSP_PASS/DSP_OFF
30 CS49326_INTREQ
90 CS49326_SCDOUT
54 SUBW_MUTE
10,9 IF DATA SD
11,47,48 TCE TCK TDT
14 TC9482_CLK
RESET
94 CS4226_RESET
OVL/ERR
29 CS4226_OVLERR
CS49
93 CS49326_CS
CSRST
95 CS49326_RESET
IC901
C2BBGF000346
MICROCOMPUTER
RDS_CLK 3
RDS_DO 4
RDS_DI 5
RDS_CE 6
LED
36,43,
44,55
REMOTE
31
21
22
20
23
12
13
RDS 2
IC970
LC72720N
RDS
X970
Z901
(REMOTE SENSOR)


SL_IN
CIN
L_OUT(R)
L_LPF
MAIN_LIN
SW_OUT
23
22
SW_IN
21
1 dB
VR
LATCH
8 dB
VR
LATCH
C_OUT
6
7
C_IN
8
9(20)
SL_OUT
10(19)
SL_IN
11(18)
4(25)
LIN
5(24)
3 TO 7
DECODER
4 TO 13
DECODER
LOUT
3(26)
SHIFT REGISTER (32 BIT)
STROBE GENERATE
CIRCUIT
LEVEL SHIFT CIRCUIT
12
17
14
CK
DATA
STB
15
16
IC1452
NJM2060MTE1
OP AMP
IC1402
TC9482F
VOLUME CONTROL
Q551
(Q552)
AUDIO
MUTING
SWITCH
Q555
AUDIO
MUTING
SWITCH
Q553(Q554)
AUDIO
MUTING
SWITCH
M
IC1231
C0ABBB000127
OP AMP
+VD
18
+B
VH+
1
-+HOUT
4
D651
20
IN1-
RCH
VO1
6
RCH
DC
10
21
IN2-
VO2
3
22
SGND
-HOUT
5
D652
-B
12
IHDET
VH-
2
-VD
19
SENS-
14
SENS+
13
11
DISP
IC651
RSN313H25-P
POWER AMP
RLY
15
AC
7
FILTER
15
16
8
TC9482_DT
TC9482_ST
THERM/OVLD2
IC901
C2BBGF000346
MICROCOMPUTER
RESET
HOLD
XOUT
XIN
SEG 1~19
DEG 1~10
18
32
23
22
60~78
79~88
Q901
HOLD
Q902
HOLD
+B
CF901
FL901
FL DISPLAY
FROM POWER
TRANSFORMER


IC601
RSN310R36A-P
POWER AMP
SENS+
14
+B
VH+
2
+B
19
PASS+
AMUTE
+HOUT
5
D601
+B
23
GND
FILTER
VO3
SP_B
VO2
4
22
IN2-
SC_SP
FILTER
SURR
VO3
1
FILTER
VO3
24
IN3-
20
PASS-
-HOUT
6
D602
-B
RLY
17
VDLIM
VH-
3
-B
FILTER
SENS-
15
+B
9
GND
Q652
RLY
16
RELAY CONTROL
12
DISP
DC
11
13
IHDET
AC
8
OVER DET
10
RELAY
D605
-B
FILTER
SURR
Q651
RELAY CONTROL
D617
KEY
Q604
VOLTAGE SWITCH
RLY
KEY SWITCH
KEY
45
7
1,2
M
LIMITTER
THERM/OVLD1
KEY1
KEY2
AF MUTE
53
AMUTE
SUBW_MUTE
52
RELAY
IC901
C2BBGF000346
MICROCOMPUTER
SP B
50
SP B
S/C SP
49
S/C SP
SEL_ENCD_1
SEL_ENCD_2
VOL_ENCD_1
VOL_ENCD_2
34
35
25
26
Q903
SWITCH
D930
VR901
(INPUT SELECTOR)
VR902
(VOLUME)

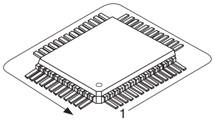

HP601
HEADPHONES
RCH
Q1681
(Q1682)
HP MUTING
Q601
RELAY DRIVE
D612
RL602
JK605
FRONT
SPEAKER B
Q602
RELAY DRIVE
JK604
SURROUND
SPEAKER
D613
RL603
Q605
RELAY DRIVE
D614
RL604
JK604
CENTER
SPEAKER
Q771~Q781
FAN MOTOR DRIVE
M
FAN MOTOR
Q754
REGULATOR
Q751
RELAY DRIVE
D755
RL751
T701
D701~D704
F1
+B
JK794
AC IN
L701
Q706
REGULATOR
Q701,Q703,Q704
REGULATOR
Q723
REGULATOR
D721~D728
F3
Z751
Q725
REGULATOR
F4
Q724
+B
REGULATOR
POWER TRANSFORMER
Q707,D707
REGULATOR
Q708,D708
REGULATOR
-B
TO FL DISPLAY
AC1
AC2
D741~D744
Q1701~Q1703
REGULATOR
F5
+B
IC1701
BA25BC0FP
REGULATOR
+B
T751
D751~D754
Q752
REGULATOR
Q753
REGULATOR
+B
SUB TRANSFORMER

SIGNAL LINES

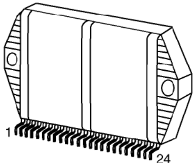
⇨	MAIN SIGNAL LINE	▨⇨	RECORD SIGNAL LINE	➡	FM/AM SIGNAL LINE
⇨	CD SIGNAL LINE	▨⇨	PLAYBACK SIGNAL LINE		

( ) Indicates the Pin No. of right channel.

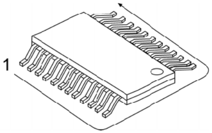
C2BBGF000346 (100P)
C2HBZZ000008 (44P)
C0FBZJ000004 (44P)



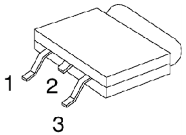
RSN310R36A-P



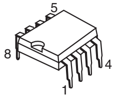
TC9482F (28P)
NJM2279MTE1 (14P)



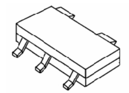
BA25BC0FP



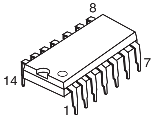
C0ABBB000102
C0AABB000086
C0ABBB000127



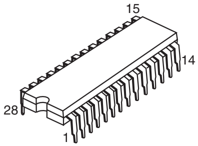
SNAHC1U04DBV



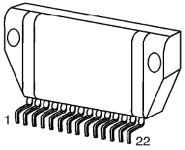
NJM2060MTE1
C1AA00000123



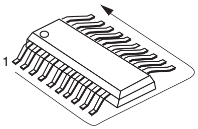
TC9163AN



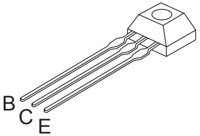
RSN313H25-P



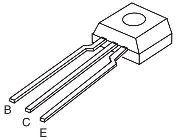
SN74LV244APW (20P)
SN7AHCT244PW (20P)
SN74HCU04APW (14P)



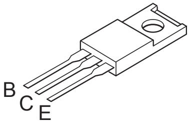
KRA102MTA
KRC102MTA
KRA119MTA



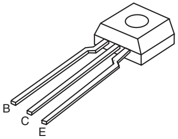
KRC107MTA



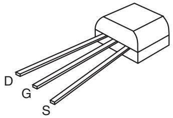
KTC2026



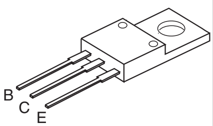
2SD1915FTA
KTA1267GRTA



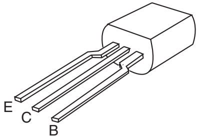
2SK2880CTA



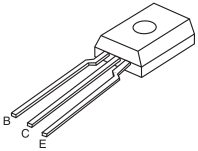
2SB1548PQAU
2SD2374PQAU



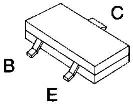
2SB621AQSTA
2SD592AQSTA



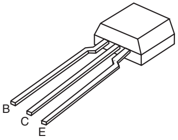
KTD863



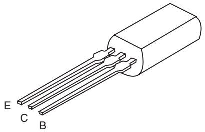
B1GDCFJN0001



KTC3199GRTA
RVTDTC143ZST
RVTDTA113ZST

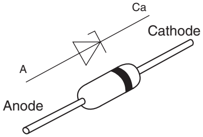


2SA1534ALA

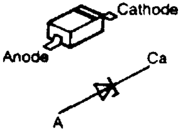


1SS291TA
1SR35400V
B0BA5R600016
B0BA03200003
B0BA6R600008
B0BA6R100003
B0BA7R500006
B0AACK000004

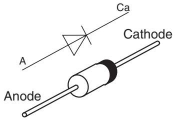
MTZJ16CTA
MTZJ3R9ATA
B0BA8R200005


Ca
Cathode
A
Anode

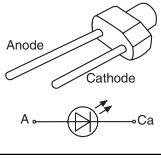
B0ACCK000005
UDZSTE176R2B
UDZSTE175R6B


Cathode
Anode
Ca
A

1N5402BM21
B0JAPG000008


Ca
Cathode
A
Anode

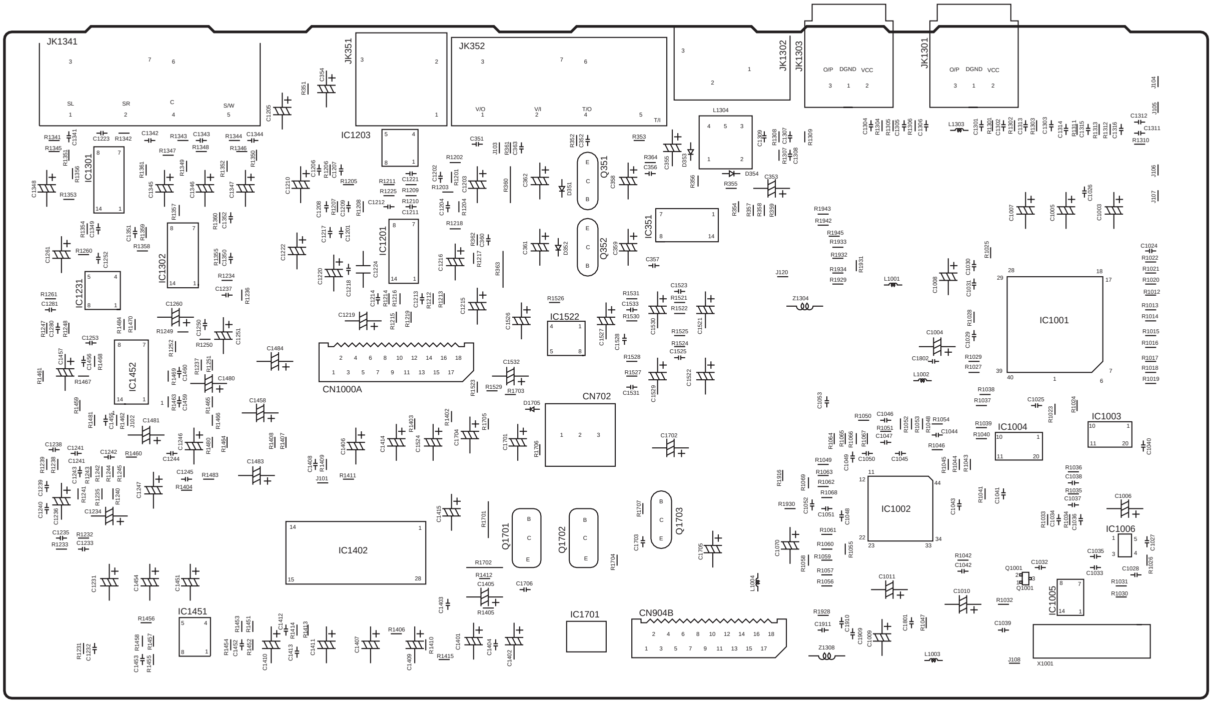
SLR325MCT31
B3ACA0000063


Anode
Cathode
A
Ca

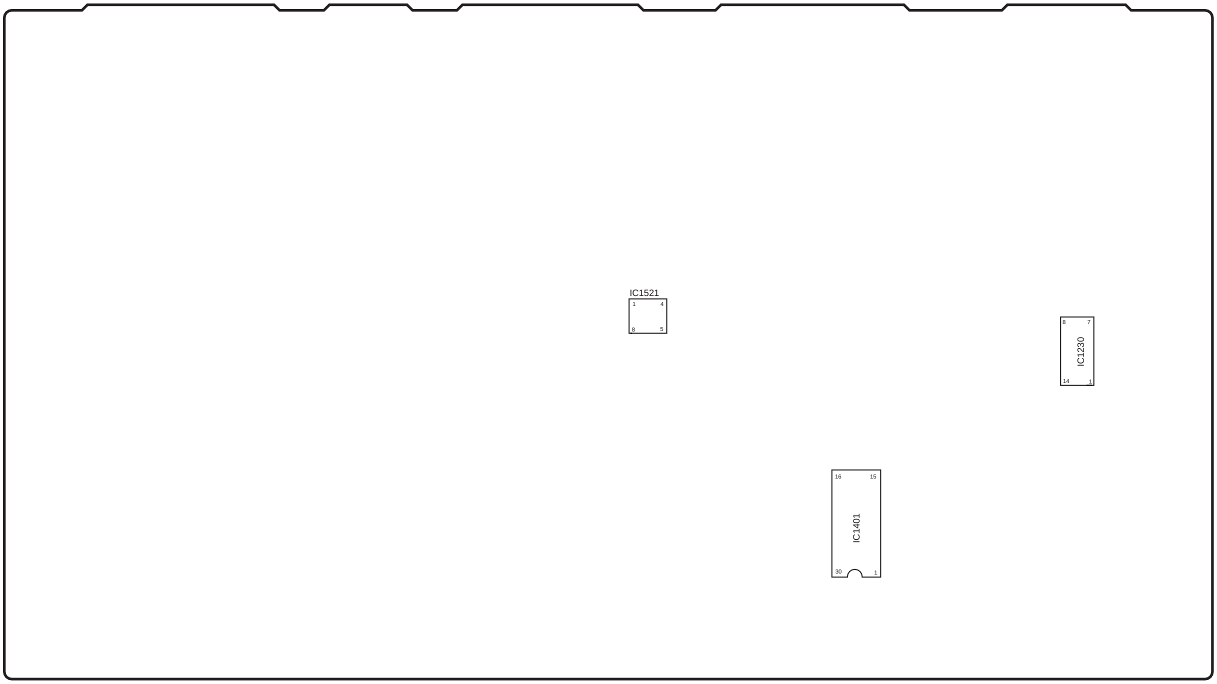
A B C D E F G

1 2 3 4 5 6 7 8 9

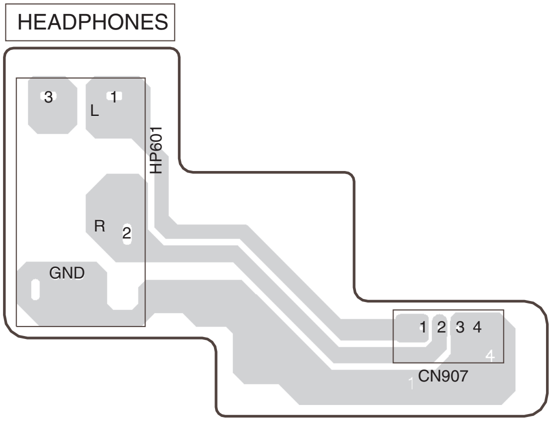
A DIGITAL P.C.B (REP3255B-T) (SIDE:A)


JK1341
JK351
JK352
JK1302
JK1303
JK1301
IC1203
IC1301
IC1302
IC1231
IC1452
IC1201
Q351
Q352
IC351
L1304
IC1522
CN1000A
CN702
IC1001
IC1004
IC1003
IC1002
IC1006
IC1005
IC1402
Q1701
Q1702
Q1703
IC1451
IC1701
CN904B
Z1304
Z1308
X1001
O/P
DGND
VCC

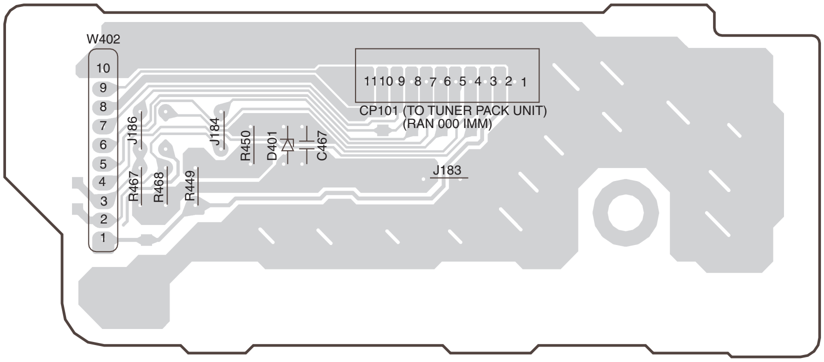
A DIGITAL P.C.B (REP3255B-T) (SIDE:B)


IC1521
IC1230
IC1401

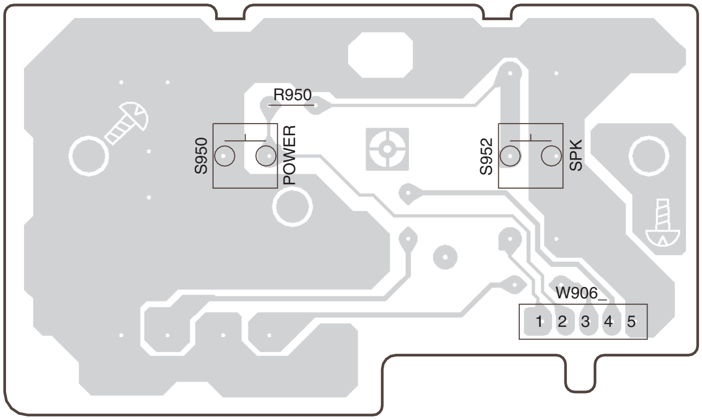
D HEADPHONE P.C.B. (REP3254B-S)


HEADPHONES
3
1
L
HP601
R
2
GND
1 2 3 4
4
CN907
1

E PHONO EQ P.C.B. (REP3253C-M...E/EG)
(REP3253D-M...EB)


W402
10
9
8
7
6
5
4
3
2
1
J186
R467
R468
R449
J184
R450
D401
C467
11 10 9 8 7 6 5 4 3 2 1
CP101 (TO TUNER PACK UNIT)
(RAN 000 IMM)
J183

F SWITCH P.C.B. (REP3254B-S)


R950
S950
POWER
S952
SPK
W906
1 2 3 4 5